CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Electric generating plant, Sayreville, N. J., Eastern New Jersey Power Co., $6,000,000.

Smelter and refinery, Vancouver, B. C., Consolidated Mining and Smelting Co., Ltd., of Canada, Trail, $5,000,000.

Hospital, Indianapolis, Ind., Amer. Legion of Indiana, $3,000,000.

Theatre, Brooklyn, N. Y., Syndicate, c/o H. E. Witman, $3,000,000.

High school, Trenton, N. J., Bd. Educ., bids in Spring, $2,500,000.

Hospital and nurses home, York, Pa., York General Hospital, soon lets contract, $1,500,000.

Office, Tulsa, Okla., W. Phillips, $1,400,000.

Sewers, etc., Binghamton, N. Y., bids probably late in Spring, $1,400,000.

Waterworks, Ottawa, Ont., Ratepayers, approved, $1,315,000.

Bridge, Paterson, N. J., State Hy. Comn., Trenton, $1,000,000.

Factory and mill, Euclid (br. Cleveland), O., Chase Brass & Copper Co., Waterbury, Conn., soon lets contract, $1,000,000.

Coal cleaning plant, Nemacolin, Pa., Youngstown Sheet & Tube Corp., Youngstown, O., $1,000,000.

Plant, Regina, Sask., Goodyear Tire & Rubber Co. Ltd., $1,000,000.

Store, Louisville, Ky., Sears, Roebuck & Co., Chicago, Ill., $1,000,000.

Cathedral, Los Angeles, Calif., Los Angeles Consistory Scottish Rite Masons, sketches, $1,000,000.

Bids Asked

Bridge, Mississippi and Louisiana, Natchez & Vidalia Bridge and Terminal Co., Memphis, Tenn., takes bids about Jan. 20, $7,000,000.

Office and store, Chicago, Ill., Jan. 7, by Holabird & Root, archts., for W. N. McChesney, Grand, O., $2,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 339a.

Furniture mart, Rockford, Ill., S. Nemes, Chicago, taking bids, $2,000,000.

Schools, Chicago, Ill., Jan. 10, by Bd. Educ., $1,500,000.

Bids Received

Waterworks, Newark, N. J., North New Jersey Dist., from T. A. Gillespie Co., New York, N. Y., $5,127,628.

Subway, New York, N. Y., Bd. Transportation, Sect. 5, Route 106, from Lyons & Slattery (Unofficial), $3,835,000.

Contracts Awarded

Hospital, St. Louis, Mo., St. Vincent De Paul Sisters of Charity, to J. W. Lynch, Chicago, Ill., est. $1,750,000.

Field house, Chicago, Ill., W. W. Ahlschlager, archt., to Avery Brundage Co., for Northwest Park Dist., est. $1,500,000.

Office, Cincinnati, O., Union Gas & Electric Co. to George A. Fuller Co., est. $1,500,000.

Seminary, New York, N. Y., Jewish Theological Seminary of America to G. Richard Davis, est. $1,200,000.

Construction News of the Week

Waterworks

Proposed Work

Ind., Anderson—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Cincinnati, O., H. Baldwin, ch. engr., water purification plant for railway locomotive use at South Anderson shop. $75,000.

Ind., Mishawaka—Bids in January 3 m.g. reservoir. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Dec. 6.

Kan., Norton—Preliminary plans 250,000 gal. concrete reservoir, extending mains. $40,000.

Tex., San Antonio—T. E. Barnes, 901 Victoria St., waterworks incl. distributing system, fire hydrants in 45 acre sub-division development off West Cincinnati Ave. $25,000. Private plans.

Tex., Uvalde—See "Bids Asked."

Tex., Winters — Improving waterworks, incl. concrete dam across Bluff Creek, new main from dam to city. $45,000. J. S. Barlow, Winters, engr. Noted Dec. 6.

Ont., Ottawa—Ratepayers approved $1,315,000 money bylaw, rapid sand filtration plant, at Lemieux Island on Ottawa River.

Bids Asked

Ind., Evansville—Jan. 3, by Bd. Trustees Water Dpt., 15,000 liquid chlorine gas for water purification purposes.

Ill., Waterloo—Jan. 3, by City, 200,000 gal. steel tank on tower, 12,000 ft. c.i. pipe, 14 fire hydrants. $35,000. W. A. Fuller Co., 2916 Shenandoah Ave., St. Louis, Mo., engrs. Noted Dec. 6.

Tex., Uvalde—Taking bids steel tank and tower; bids after Jan. 1, improving waterworks, incl. new pumps, probably electrically operated, water distributing system, meters, fire plugs, $50,000. Address H. P. Hornsby, mayor, c/o City Hall.

Tex., Uvalde—Taking bids 150,000 gal. steel tank on 100 ft. steel tower, pumping apparatus, c.i. pipe. $75,000. R. E. Benson city engr.

Contracts Awarded

N. Y., New York—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arnow, Astor, Edson and Grace Aves., to Manhattan Water Wks., Inc., $6,870. Noted Nov. 29.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St., twin and single steel pipe lines for portions Wanaque Aqueduct, to T. A. Gillespie Co., 7 Dey St., New York, $5,127,628. Noted Dec. 6.

N. J., New Brunswick—City Comn., 1,000 ft. water pipe, to R. D. Wood, 400 Chestnut St., Phila., Pa., at $37.95 per ton.

Ky., Louisville — Bd. P. Wks., 52 fire hydrants in southern part of city, to K. A. Barker, Floyd and Lee Sts., $7,970, and Henry Bickel Co., 435 Graden St. $6,325.

O., Youngstown—At office Secretary Bd. Directors Mahoning Valley Sanitary Dist., 901 City Bank Bldg., clearing, grubbing Meander Creek Reservoir, to Jones Constr. Co., Salem, $230,010. Noted Nov. 15.

Miss., Birmingham — Well, 1 m.g.d. to Harmon Ness Co., South Bend, Ind. Est. $15,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., Detroit—Dpt. Water Supply, 1,200 cu.yd. hollow tile backing and concrete for discharge weir in coagulation basin in waterworks, to Anchor Fireproofing Co., 2210 Park Ave. Est. $15,000.

Wis., Racine—Water Dept., W. A. Pierce, mgr., City Hall, 1,850 tons c.i. pipe and 90 tons special castings, to American Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill., 12 ft. $44.25, 16 ft. $45.25, specials $88.50 per ton.

Kan., Long Island—To R. Knox Constr. Co., Clyde, general contract waterworks, incl. tank and tower, $19,636; also well, pump, price not yet determined. Noted Nov. 22.

Kan., Randall—C. T. Jones, city clk., distribution system, well, pump house, to Knox Constr. Co., Clyde, $11,650; tank and tower, to Chicago Bridge & Iron Wks., Transportation Bldg., Chicago, $4,050. Pumps not yet awarded. Noted Dec. 6.

Neb., Central City—For 10 mi. 6- to 15-in. mains, pumping plant, to A. A. Dobson Co., 824 1st Natl. Bank Bldg., Lincoln, $74,057. Est. $75,000.

Mo., Kansas City—Rein.-con. reservoir, to C. D. Whitmire Constr. Co., 710 Midland Bldg., $363,438.

Mo., St. Louis—Bd. P. Serv., City Hall, new channel in Mississippi River near Homers Dike at Chain of Rocks Waterworks Station, to Frazier-Davis Constr. Co., Arcade Bldg., $44,800. Est. $70,000. Noted Nov. 8.

Okla., Oklahoma City—For 18,000 ft. 4 in. c.i. water line to Lincoln Park, to Sherman Iron Wks., 18 East Main St., $17,260. Est. $20,000. Noted June 14.

Wash., Seattle—Bd. P. Wks., mains in West Holden St., to H. Sacco, 2024 24th Ave., $21,200.

Calif., Sonora—Pacific Gas & Electric Co., water purification plant, concrete storage reservoir, 128 ft. diam., 12 ft. deep to Mankel & Staring, 2921 H St., Sacramento.

Ont., Blind River—M. L. Dyke, town clk., electric motor and gasoline driven 3 stage centrifugal fire pump, to Turbine Equipment Co., 73 King St. W., Toronto, $6,070. Est. $7,000. Noted Nov. 15.

Sewers

Proposed Work

N. Y., Binghamton—Bids probably late in spring, intercepting sewers and sewage treatment system. $1,400,000. Fuller & McClintock, 170 Bway., New York, consult. engrs. Noted Jan. 27.

N. J., Paterson—Bd. City Comrs., City Hall, sanitary sewer in Bond St. from Beech to Lewis Sts. $92,000. H. J. Harder, city engr.

Mich., East Grand Rapids (mail Grand Rapids)—Laying 5 mi. sewers in North Shore of Reeds Lake. $77,865. C. Whiting, City Hall, engr.

Ill., Evanston—City Northeast Storm Relief Sewer, incl. 18- to 66-in. pipe. $272,000. M. Loag, City Hall, engr.

Mo., California — City Council rejected bids 14,876 ft. 8 in. vitr. clay sewers in Dists. 3 and 4. Will readvertise. Russell & Axon, 1945 Ry. Exch. Bldg., St. Louis, engrs. Noted Nov. 15.

See proposal advertising on page 114

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

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Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

Ark., Helena—Preliminary plans sanitary sewerage system in West Helena Dist. $30,000.

Tex., Midland — Preliminary surveys sewers. Election after Jan. 1, $135,000 for same. Address B. F. Haag, City Hall, mayor.

Tex., San Antonio—T. E. Barnes, 901 Victoria St., sewers in 45 acre sub-division development off West Cincinnati Ave., incl. mains, laterals. $35,000. Private plans.

Okla., Oklahoma City—Surveys sanitary sewers in Edgemere Park Addition. To exceed $25,000. W. W. Small, city engr.

Okla., Tulsa—Extending 20,000 ft. sanitary sewers in Harding, Dunbar, Roosevelt, Gibson, Hunter and Broadview Sts. To exceed $25,000. B. M. Hart, City Hall, engr.

Bids Asked

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Dec. 17, improving, extending outlet sewer in 151st St., from J. V. Timoney Constr. Co., 256 Bway., $60,558. Noted Dec. 13.

Pa., Reading—Jan. 16, by City Council, reconstructing sewage pumping station, force main. Remington & Vosbury, 509 Cooper St., Camden, N. J., consult. engrs.; adv. E. N.-R. Dec. 27.

Ala., Birmingham—Jan. 28, by City Comn., 1½ mi. brick and concrete masonry, terra cotta or concrete storm sewer, c.i. pipe and iron castings, catch basins, manholes, appurtenances in 79th Place, 1st, 2nd, 5th and Rugby Aves., 74th, to 78th Sts. (inclusive). $140,300. A. J. Hawkins, city engr.

Calif., Visalia—Jan. 23, by Black & Veatch, engrs., 307 South Hill St., Los Angeles, pumps, valves, fittings, 825 lin.ft. 6 in. c.i. pipe at California Hot Springs, for California Hot Springs Co.

Contracts Awarded

Md., Baltimore — Bd. Awards, sanitary sewers, storm drains in Sewer Dists. 46-B and P-3, Storm Water Contr. 123, to P. Marocco, 3700 Forest Park Ave., $43,268. Noted Dec. 13.

La., New Orleans — For 5,346 ft. subsurface drainage in Baronne St. from Louisiana to Duffosat Aves., to H. P. and J. F. Egan, New Orleans, $73,028.

La., New Orleans — For 1,687 ft. subsurface drainage system, Poland Ave., to M. Mitchell & Son, 323 Saratoga St., $28,481.

Tenn., Knoxville — Director Pub. Serv., Third Creek Trunk Line, and laterals, to J. J. Quinn, 116 North East 29th St., Miami, Fla., $221,594—Third Creek Trunk Sewer, to L. A. Gridley, Knoxville, $104,972—Baker Creek Sewer and 21 in. outfall, to Dysard Constr. Co., Thrower Bldg., Atlanta, Ga., $117,878. Grand total $444,445. Noted Nov. 29.

Ky., Greenup—Sanitary sewers, to J. D. Greenswade, Huntington, W. Va., $38,300. Noted Nov. 29.

O., Beechwood (br. Cleveland)—Sewers in Halburton Rd., to Garfield Heights Constr. Co., 460 Leader Bldg., Cleveland, $70,625; Halworth Rd., to N. J. Galvin, 4050 Rocky River Dr., Cleveland, $13,046.

O., Garfield Heights (br. Cleveland)—Sewers in Henry St., to D. Rosi-Marceletti Co., 116-26 Willard Ave., Cleveland, $42,522.

Mich., Dearborn — For Southeastern Trunk Sewer, Sect. 4, 10,000 ft. 6½ ft. to 9 ft. monolithic concrete pipe, brick pumping station, to A. Phelps & Sons, 5144 Braden Ave., Detroit, $255,000. Noted Dec. 13.

Mich., Detroit — Dpt. P. Wks., concrete sewers in Harper Ave. Arm West of Marseilles, to Woodward Constr. Co., 15501 Ardmore Ave., $47,545; Harper Ave. east of Marseilles, and Paul Ave. Arm Sect. 1, east of Southfield Ave., to Central Contg. & Eng. Co., 12901 Lyndon Ave., $16,838 and $71,640 respectively; Morang Ave. Arm, north of Harper, to Louwers & Sommerville, 1224 Michigan Theatre Bldg., $23,239; River Rouge Interceptor East, Sect. 5, to R. D. Baker, 1631 Elmhurst Ave., $94,220. Grand total $253,482. Noted Nov. 15.

Mich., Grand Rapids—For 19,518 ft. 12- to 54-in. surface drain in Division St. to Kelloggsville. $112,000. T. O. Williams, Court House, co. engr.

Neb., Mitchell — Sewerage system, to A. C. Smith, Scottsbluff, $31,725.

Mo., Springfield — J. P. Ramsey, comr. Streets & Pub. Impvts., Jordan Creek Storm Sewer, incl. 2,500 cu.yd. structural excav., 4,000 cu.yd. concrete, 400,000 lb. reinforcing steel, to Boyle Constr. Co., 1923 Main St., Kansas City, $65,980.

Arizona — State Hy. Comn., Phoenix, Hassayampa Bridge, on Phoenix-Yuma Hy., Federal Aid Project 71, to Strong & Grant, Springfield, Utah, $47,325.

Calif., Los Angeles—Bd. P. Wks., Arroyo de la Sacatela Storm Drain System 2, to J. F. Shea Co., 525 Market St., San Francisco, $925,839. Noted Nov. 22.

Calif., Sacramento — City Council, concrete sewers in North B and 18th Sts., to Holdener Constr. Co., 2608 R St., $166,829. Noted Oct. 11.

Ont., Toronto—S. McBride, mayor, South Parkdale Storm Relief Sewer, concrete, brick, Sects. D-G and G-H on Queen St. and MacDonnell Ave., to W. R. Worthington Constr. Co., Roselawn Ave., $108,820; Sects. A-D and C-E on Dufferin and King Sts., to J. O. Jerou, 75 Lytton Blvd., $231,618; Boulevard Dr., Sect. B-F, to Nelson River Constr. Co., 124 Pears Ave., $47,000. Grand total $387,438. Noted Nov. 15.

Waste Disposal

Proposed Work

N. J., Asbury Park—City Comrs., incinerator plant, Springfield Ave. $130,000.

Tex., San Angelo — Postponed bids to have been opened Dec. 18, incinerator. Revising plans pending change of site. W. M. Tiner, City Hall, engr. Noted Dec. 6.

Ont., Walkerville — Expending $15,000, extending incinerator. A. Patterson, Walkerville, engr. Noted Nov. 22.

Bridges

Proposed Work

N. J., Paterson — State Hy. Comn., Trenton, concrete span bridge over Passaic River, on Broadway, Passaic Co. $1,000,000. W. G. Sloan, Trenton, state engr.

Miss., Aberdeen—Preliminary plans rein.-con., steel bridge in 4th Dist. on Hy. 45 east of here.

Mich., Port Huron — City, J. J. Bell, mayor, tentative plans concrete, steel double leaf bascule span bridge at 7th St. and Black River. $200,000. D. D. Worcester, city engr. Strauss Eng. Co., 307 North Michigan Ave., Chicago, Ill., engrs.

Kan., Sedan—Chautauqua Co., preliminary plans 150 x 20 ft. arch span bridge with alternate one 40 and two 50 ft. truss spans over Middle Caney River. C. E. Fesler, Court House, engr.

Kan., Topeka—See "Streets and Roads."

Okla., Oklahoma City—Preliminary plans 1,800 ft. concrete bridge over Missouri, Kansas & Texas Ry. yards and Rock Island R.R., on Walnut St. To exceed $250,000. W. W. Small, city engr.

Calif., Oakland—Alameda Co. replacing present revolving bridge with bascule bridge over Oakland Estuary. To exceed $25,000. G. A. Posey, Oakland, co. surv.

Ont., Toronto—City, York Co. and East York Twp., 330 ft. concrete or steel bridge, 44 ft., on St. Clair Ave. E. $230,000. F. Barber, 45 Jarvis St., engr.

Bids Asked

W. Va., Charleston — Jan. 18, by R. N. Moulton, clk. Kanawha Co. Court, substructure Patrick Street Bridge 1139, Loudan Dist. $900,000. L. L. Jemison, 1340 Wilson St., engr. West Virginia State Rd. Comn.; adv. E. N.-R. Dec. 27.

Mississippi and Louisiana — Natchez & Vidalia Bridge & Terminal Co., c/o H. E. Bovay Syndicates, 725 Dermon Bldg., Memphis, Tenn., taking bids and open same about Jan. 20, rein.-con., steel bridge across Mississippi River between Natchez, Miss. and Vidalia, La. $7,000,000. Ash, Howard, Needles & Tammen, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Apr. 28, 1927.

Kan., Wellington — See "Streets and Roads."

Oklahoma—Jan. 9, by State Hy. Dept., Oklahoma City, rein.-con. bridges, one 3 span 90 ft. near Luther, and one 3 span 80 ft. near Arcadia, Oklahoma Co.—one 5 span 110 ft. near Seiling, Dewey Co.—one 7 span 140 ft. near Buffalo, Harper Co.—one 6 span, 116 ft. near Togo, Major Co.—one 4 span 86 ft. near Davis, Murray Co.—steel truss bridges on concrete piers, one 4 span 580 ft. over Big Boggy Creek near Soper, Choctaw Co.—one 2 span 132 ft. near Jay, Delaware Co.—one 3 span 420 ft. over Washita River near Chickasha, Grady Co.—one 1 span 110 ft. near Idabel, McCurtain Co.—one 1 span 126 ft. near Alton, Ottawa Co.—1 span 110 ft. steel truss bridge with 2 I-beam approaches on concrete piers near Big Cabin, Craig Co.—1 span 46 ft. rein.-con. underpass under Missouri-Kansas & Texas R.R. near Tusha, Atoka Co. Each to exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Redrock—State Hy. Comn., Oklahoma City, taking bids replacing 110 ft. tin bridge with 2 steel truss span, 160 ft. bridge on concrete piers, Noble Co. To exceed $25,000. C. R. Mandigo, Oklahoma City, state hy. engr.

Contracts Awarded

N. J., Kearny (sta. Arlington) — Bd. Town Council, Town Hall, rein.-con. bridge, on Chestnut St., to Spiniello Constr. Co., Doremus Ave., Newark, $102,625.

Kentucky — State Hy. Dpt., Frankfort, substructure for bridge in McCreary Co., to Cook & Elliott, Oneida, Tenn., $8,039—superstructure, to Vincennes Bridge Co., Vincennes, Ind., $7,289—substructure for bridge in Nelson Co., to A. G. Ryan, Chrisney, Ind., $29,060—superstructure, to E. R. Mills, Covington, $14,731. Grand total $59,119. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, 147 ft. steel span bridge and five 40 ft. beam span concrete bridge, Sect. Powhatan State Route 7, Belmont Co., to H. B. Watters, Atlas Bldg., Columbus, $30,970 and $30,480 respectively.

Mich., Hamtramck (br. Detroit)—Dodge Bros. Division Chrysler Corp., 341 Massachusetts Ave., rein.-con. enclosed bridge connecting manufacturing plant with warehouse, to Walbridge & Aldinger Co., 2312 Penobscot Bldg., Detroit. Est. $35,000.

Wisconsin—State and Sauk Co. Hy. Comns., Madison, Delton Bridge on U. S. Hys. 12 and 13, Federal Aid Project 418-B, to Fischer & Yahr, Wausau, $53,647. Noted Nov. 22.

Kan., Wellington—Sumner Co., bridges and channel change on Project 49-5-K. 667-B, to O. G. Brommer, Jetmore, $16,151 and $510 respectively; bridges on Project 12-25-K.727 Sumner Co., to C. L. Ring, McPherson, $25,913. Grand total $42,577. Noted Nov. 15.

Calif., Hamilton — State Hy. Comn., Sacramento, bridge over Glenn-Colusa Irrigation Canal, Glenn Co., to R. B. McKenzie, Gerber, $20,499. Est. $26,304. Noted Dec. 13.

Dams

Proposed Work

Missouri — Gasconade River Power Co., 1015 Baltimore Ave., Kansas City, preliminary plans earth fill or concrete power dam and hydro-electric plant, creating 400,000 acre ft., 5,200 hp. on Gasconade River, Phelps and Pulaski Counties.

Railways

Proposed Work

Indiana—Cleveland, Cincinnati, Chicago & St. Louis Ry. Co., Cincinnati, O., H. Baldwin, ch. engr., new tracks for passenger terminals, filling in yards, new tracks into shops and some double tracking to yard limits in South Anderson Industrial Sect. $750,000.

Texas — St. Louis Southwestern Ry., W. S. Hanley, ch. engr., Tyler, preliminary plans complete railroad yard layout at Tyler. $650,000.

Contracts Awarded

Ontario—Dpt. Railways, Ottawa, 80 mi. railroad from Cranberry Portage on the Flin Flon Line to Sheritt Gordon Mine, to Dominion Constr. Co., Royal Bank Bldg., Toronto.

Airports

Proposed Work

AIRPORT—**Camden, N. J.**—Central Airport, Inc., C. C. Savage, secy., 328 Chestnut St., Phila., Pa., bids in February airport development, Crescent Blvd. $500,000. Black & Bigelow, 551 5th Ave., New York, engrs.

Bids Asked

HANGAR—**Hicksville, N. Y.**—Dec. 28, by R. Nichols, c/o Aviation Clubs of America, 551 5th Ave., New York, hangar. $100,000. Black & Bigelow, 561 5th Ave., New York, engrs.

Contracts Awarded

HANGAR—**Newark, N. J.**—Standard Oil Co. of New Jersey, foot of 3rd Ave., hangar at Newark Airport, to Austin Co., 120 Bway., New York. Est. $40,000.

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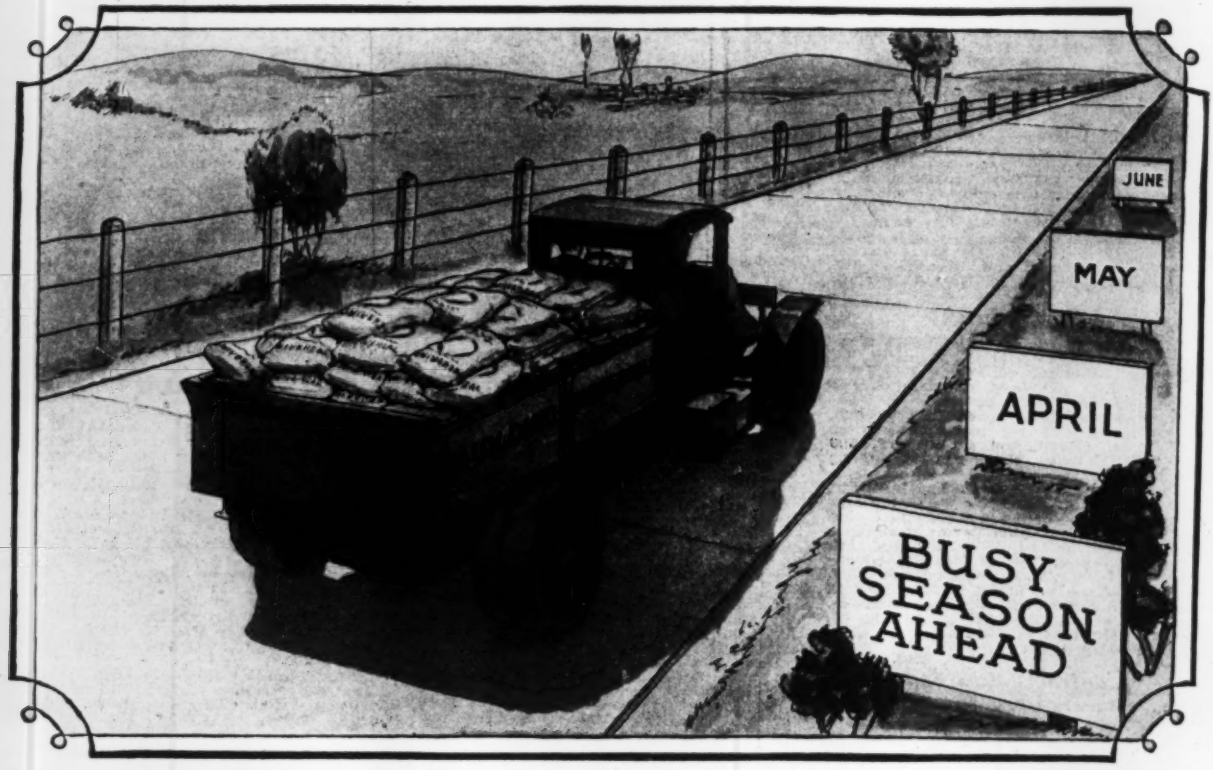

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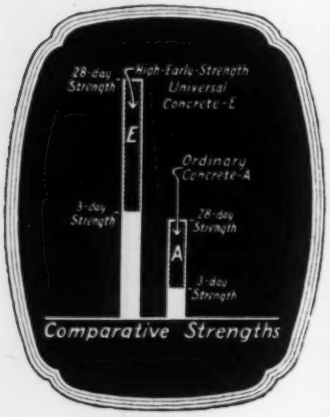

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Address _____ E.N.R. 12-27-28

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. J., Seaside Heights—Mayor and Boro Council, improving ocean front between Sherman Ave. and boundary line. $50,000. E. M. Herbut, boro engr.

Calif., Merced — Merced Irrigation Dist. soon takes bids two 20 in. riveted steel or equal irrigation pipe lines, one 2,881 ft. other 2,990 ft. long. Private plans.

Bids Asked

Ia., Red Oak—Jan. 8, at office Auditor Montgomery Co., 7,625 ft. ditch work in D.D. 11, incl. 104,005 cu.yd. excav.

Calif., La Canada—Jan. 2, by Directors La Canada Irrigation Dist., 3,200 ft. 4 in. standard screw pipe line. fittings. Salisbury, Bradbury & Taylor, Petroleum Securities Bldg., Los Angeles, engrs.

Contracts Awarded

O., Toledo—Willow Beach Co., Kenilworth Pl., dredging, changing shore line, building revetment, 50,000 yd. hydraulic fill, for amusement park, to J. C. Carland Co., Commerce Guardian Trust & Savings Bank Bldg. Est. $75,000.

Tex., Corpus Christi — City, c/o P. G. Lovenskiold, mayor, drainage work, incl. trenching, laying, covering rein.-con. pipe 12 in. to 24-in., 15 blocks, to Kirkwood, Wharton & Lee, 456 Main Ave., San Antonio, $31,085.

Calif., Oroville—M. J. Munro, secy. Oroville-Wyandotte Irrigation Dist., Butte Co., 3½ mi. redwood stave pipe from Lake Wyandotte to Miners Ranch hill, to Lord & Bishop, Oroville, and Redwood Mfg. Co. Hobart Bldg., San Francisco, $46,000. Noted Dec. 20.

Streets and Roads

Proposed Work

Mass., Cambridge (br. Boston)—City Council constructing Main St. from 1st St. to Kendall Sq. $35,000.

Mass., Dorchester (sta. Boston)—Dpt. P. Wks., Boston, laying out and constructing Donald Rd. and extension Truxton St. as hys. $25,000. J. H. Sullivan, comr.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, rejected bids Dec. 5, bituminous macadam paving Victory Blvd. and Richmond Rd. Noted Nov. 29.

N. J., Hackensack — Bd. Freeholders Bergen Co., Court House, widening, paving Teaneck Rd. $100,000. R. C. McClave, Court House, co. engr.

N. J., Metuchen—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans removing car tracks, and sheet asphalt or bituminous macadam paving Amboy Ave. from Metuchen to Fords. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, sheet asphalt on concrete paving Paterson Hamburg Turnpike from Cross Rd. at Gaedes Hill, Preakness to Norton House, Pompton Lakes. $50,000. G. Ferguson, Court House, co. engr.

Va., Richmond—R. K. Compton, dir. P. Wks., announced that $1,250,000 will be available for public improvements during 1929, incl. paving $500,000, sewers $400,000, curbing, guttering, paving $350.000.

N. C., Durham—Council, bids early in spring, paving, widening 2 mi. Chapel Hill St. and Erwin Rd. leading to Duke University Campus, 40 ft., incl. underground structures, water, sewers. $150,000. H. W. Kueffner, Durham, engr.

Miss., Aberdeen—Monroe Co. preliminary plans grading, concrete paving Aberdeen Rd. $25,000.

Kentucky — State Hy. Dpt., Frankfort, rejected bids Nov. 30, grading 7.019 mi. Lebanon-Liberty Rd., S. P. 62, A-G, Marion Co. J. S. Watkins, hy. engr. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, cancelled bids to have been opened Nov. 30, grading Sects. O and P, State Route 146, Muskingum Co., $191,688; also 4 bridges on same road. $20,569. Noted Nov. 22.

O., Canton—Comrs. Stark Co. paving 1.5 mi. 30th St., 18 ft., incl. grade separation over Wheeling & Lake Erie tracks. $50,000. A. M. Wise, Canton, engr.

O., Lisbon—Comrs. Columbiana Co. soon take bids grading 3.96 mi. Lisbon-East Palestine Rd., 30 ft., $30,814 also 22 ft. bridge, $2,922—macadam paving 4.41 mi. Elkton-Clarkson Rd., 18 ft., $75,000—concrete paving 1.5 mi. Moultrie-Stark Co. Line Rd., 18 ft., $25,000; 2.2 mi. North George Town-Homeworth Rd., 18 ft. $50,000-$55,000. L. C. Kirk, Lisbon, engr.

Mich., Grand Rapids — Paving Century Ave. from Hall to Burton Sts., asphalt $98,500 or $9.05 per front ft., brick on concrete $126,000 or $11.78, concrete $93,660 or $8.59.

Mich., Pontiac — Oakland Co. concrete paving 125,000 sq.yd. Stephenson Super Hy. $375,000. L. V. Belknap, Pontiac, engr.

Kan., Coldwater — Comanche Co. preliminary plans grading 7.575 mi. Kansas Project Rd. K1, 30 ft. L. M. Leiter, Court House, engr.

Kan., Topeka—Shawnee Co. preliminary plans grading, 3 bridges on 7.392 mi. Road K.10, 30 ft. C. H. Wasson, Court House, engr.

Kan., Wellington—Sumner Co., preliminary plans grading 6.951 mi. Road K.49, 30 ft., also three 8 x 30 ft. multiple box span bridges. G. Roseberry, Court House, engr.

Kan., Westmoreland — Pottawatomie Co. revising plans grading, bridges 3.71 mi. Federal Aid Project 203-B, U. S. Rd. 40—1.553 mi. Project 203-A—curbing, guttering, paving 0.908 mi. Federal Aid Project 355. Former bids returned unopened. L. E. Whearty, Court House, engr. Noted Nov. 15.

Mo., St. Louis—Preliminary plans widening, repaving Bway. between Morin Ave. and Halls Ferry Rd. $137,317.

Ark., Marianna—Preliminary plans grading, curbing, concrete paving streets east of Missouri Pacific R.R. Thomas H. Allen Eng. Co., Bank of Commerce Bldg., Memphis, Tenn., engrs.

Tex., Amarillo—Preliminary sketches two course penetration on gravel paving 12 blocks Arthur St. from 10th St. to Glenwood addition. $35,000. H. B. Jones, city engr.

Tex., Galveston—Galveston Co., rock asphalt on shell surfacing 9 mi. Texas City-Kemah Rd. from 6th St. in Texas City to Kemah-Seabrook Bridge, 18 ft. $125,000 bonds voted for same. C. C. Washington, Galveston, co. engr.

Tex., San Antonio — T. E. Barnes, 901 Victoria St., 1½ in. asphalt on hard base paving 45 acre sub-division, West Cincinnati Ave. $50,000. Private plans.

Tex., Uvalde—Bituminous macadam on crushed stone paving 17.57 mi. Hy. 3, 18 ft. $214,500. D. W. Hooper, Uvalde, resident engr.

Okla., Ada—Grading, paving 9 blocks Norton, College and Hillside Sts., 30 ft. To exceed $25,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Boise City — Vertical fibre brick paving 6,900 sq.yd. Court House Square. $31,000. H. A. Warner, Amarillo, Tex., engr.

Okla., Oklahoma City—Surveys 7 in. concrete paving 8,800 sq.yd. Maple, Cedar and Barnes Sts. $32,000. W. W. Small, city engr.

Okla., Sulphur—Murray Co. grading, graveling 10 mi. Road 12, 28 ft. To exceed $25,000. J. A. McClure, co. comr.

Calif., Redwood City—Paving, sewers Lexington Park Dist. $25,000 or more. C. L. Dimmitt, city engr.

Calif., San Diego — Common Council, grading, curbing, 6 in. concrete paving 121,947 sq.ft. San Gorgonio St. H. W. Jorgensen, city engr.

Calif., Santa Ana—Orange Co. rejected bids grading, curbing, walks, lighting system, bituminous macadam paving Impvt. 19.

Calif., Yuba City — Curbing, guttering, paving Fruitville and University Aves. To exceed $25,000. W. Shearer, city engr.

Ontario — Dpt. P. Hys., East Block, Parliament Bldgs., Toronto, A. A. Smith, ch. engr., rein.-con. paving 12 mi. hy. from Ambassadors Bridge in Sandwich to Maidstone, 20 ft. $300,000.

Ont., Durham—Council, W. B. Vollett, town clk., concrete paving Main and other streets. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Dec. 6.

Ont., Woodstock—Suburban Roads Comn., concrete paving 3 mi. 12th Line. $60,000. F. J. Ure, County Bldgs., engr.

Bids Asked

Mass., Boston—Dec. 28, by Dpt. P. Wks., sheet asphalt or bitulithic paving Manthorn Rd. and North Crescent Circuit. To exceed $25,000. J. H. Sullivan, comr.

Miss., Bay St. Louis—Jan. 3, by Bd. Supervs. Hancock Co., curbing, 7 in. rein.-con. paving 7,865 sq.yd. Seawall Rd. J. W. Billingsley, Interstate Bldg., New Orleans, La., engr.

La., Baton Rouge—Jan. 2, at office East Baton Rouge Parish School Bd., Court House, 1,000 sq.yd. concrete sidewalks on Monte Sano Elementary School site, 3rd Ward. Seifried & Troeger, 206-7 Wieck Bldg., landscape archts.

Ind., Muncie—Dec. 29, by Comrs. Delaware Co., grading, bituminous macadam paving 8,000 ft. Harris and Hartford Rd., Union Twp. $34,510. W. M. Shafer, aud. and clk.

Ia., Marshalltown—Dec. 31, at office Auditor Marshall Co., crushed rock or gravel surfacing 6,884 cu.yd. Laurel-Gilman Rd. D. C. Elder, Marshalltown, co. engr.

Kan., Concordia—Dec. 31, by Clerk Cloud Co., grading, culverts 3.03 mi. Kansas Project 745, 30 ft., incl. 275 ft. hedge, 31,890 lb. reinforcing. To exceed $25,000. L. T. Dudley, Concordia, co. engr.

Kan., Concordia—Dec. 31, by Clerk Cloud Co., grading, culverts 7.632 mi. Project 746, 30 ft., incl. 1,040 ft. guard fence, 12,020 ft. hedge, 55,019 lb. reinforcing, 488 ft. rein.-con. pipe, 4,250 ft. snow fence. L. T. Dudley, Concordia, co. engr.

Kan., Lawrence — Jan. 3, by Clerk Douglas Co., grading 47,938 cu.yd. Project 752. To exceed $25,000. E. E. Trueblood, Lawrence, co. engr.

Kan., Wellington — Jan. 3, by J. A. Alexander, clk. Sumner Co., grading 7.946 mi. Project 49-2-K. 747, incl. three 25 ft. deck girder and three 10 ft. multiple spans—7.498 mi. Project 49-3-K. 748, incl. three 8 ft. multiple box spans—10.965 ft. Project 44-6-K. 749, incl. three 25 ft. deck girder and fifteen 8 ft. multiple box spans. G. Roseberry, Court House, co. engr.

Kan., Wellington — Jan. 10, by Clerk Sumner Co., grading, culverts 7.945 mi. Kansas Project 747, 30 ft. incl. 12,745 ft. hedge, 560 ft. guard fence, 34,980 lb. reinforcing—7.498 mi. Kansas Project 748, 30 ft., 25,671 ft. hedge, 50,310 lb. reinforcing—10.965 mi. Kansas Project 749, 30 ft., 29,622 ft. hedge, 120 ft. guard fence, 60,490 lb. reinforcing. To exceed $75,000. G. Roseberry, Wellington, co. engr.

Tex., Ballinger—Runnels Co. taking bids hard paving 11 mi. main hys. $320,000. Address P. Trimmier, Ballinger, co. judge.

Oklahoma—Jan. 9, by State Hy. Dept., Oklahoma City, concrete slab surfacing 10.600 sq.yd. U. S. Hy. 64, Alfalfa Co. $25,000—12,567 sq.yd. U. S. Hy. 66, Creek Co. $25,000—38,600 sq.yd. U. S. Hy. 64, $82,000 and 42,300 sq.yd. U. S. Hy. 64, $93,000, both Garfield Co.—52,500 sq.yd. U. S. Hy. 81, Grant Co. $120,000 42,600 sq.yd. U. S. Hy. 33, Logan Co. $97,000—53,000 sq.yd. U. S. Hy. 64, $125,000 and 36.600 sq.yd. U. S. Hy. 77, $82,000, both Noble Co.—38,564 sq.yd. U. S. Hy. 75, Okfuskee Co. $91,000—29,567 sq.yd. State Hy. 11, Osage Co., $65,000—28,000 sq.yd. same road $63,000—sheet asphalt surfacing 28,100 sq.yd. U. S. Hy. 66, Beckham Co. $70,000—32,100 sq.yd. U. S. Hy. 70, Bryan Co. $75,000—36.570 sq.yd. same road $83,000—28,100 sq.yd. U. S. Hy. 61, Canadian Co. $65,000—42,000 sq.yd. U. S. Hy. 266 Lincoln Co. $102,000—52,000 sq.yd. U. S. Hy. 77, Murray Co. $100,000—44.570 sq.yd. State Hy. 48, Seminole Co. $110,000—brick resurfacing 26,200 sq.yd. Hy. 73 $68,000 and 26,400 sq.yd. Hy. 64 $65,000, both Muskogee Co. grading, structures 8 mi. State Hy. 41, Beckham Co. 4.5 mi. State Hy. 7, and 9 mi. State Hy. 41, Caddo Co.—11 mi. U. S. Hy. 66, Canadian Co.—10 mi. State Hy. 7, Comanche Co.—6 mi. U. S. Hy. 66, Custer Co.—7.5 mi. U. S. Hy. 81, Grady Co.—5.5 mi. State Hy. 9, Haskell Co.—8.5 mi. U. S. Hy. 81, Jefferson Co.—6 mi. U. S. Hy. 81, Kingfisher Co.—5 mi. State Hy. 7, Kiowa Co.—8 mi. U. S. Hy. 266, McIntosh Co.—8 mi. State Hy. 3, Pittsburg Co.—8 mi. State Hy. 18, Pottawatomie Co.—5.5 mi. State Hy. 10, Pushmataha Co.—5 mi. State Hy. 36, Tillman Co.—5 mi. State Hy. 41, Washita Co.—6 mi. same road, $25,000. All above exceeds $500,000. All graded roads 30 ft. wide. C. R. Mandigo, hy. engr.

Okla., Lindsay—Jan. 4, by C. E. Hillyer, city clk., grading, graveling 21,000 cu.yd. Kiowa, Cherokee, Choctaw and Chickasaw Sts. $59,475. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Dec. 20.

Okla., Oklahoma City—Jan. 2, by J. W. Berry, clk. Oklahoma Co., graveling 7,000 cu.yd. East Reno Avenue Rd. $25,000. R. S. James, Court House, engr.

Okla., Shawnee—Jan. 8, by J. C. Coleman, clk., grading, sheet asphalt paving 5,800 sq.yd. Harper, Noble and Hays Sts. $25,000. E. T. Archer & Co., New England Bank Bldg., Kansas City, Mo., engrs.

Okla., Tecumseh—Jan. 2, by C. E. Pettigrew, clk. Pottawatomie Co., graveling 9,000 cu.yd. County Rd. Project 40. $25,000. J. H. Merkle, Tecumseh, engr.

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Wooden Structural Materials
Creosoted by Republic
REPUBLIC
Controls its entire
Manufacturing Process
from the forest to your Plant
Timbers seasoned and framed in Republic's six great plants—properly impregnated by Republic's own pressure treatment process—with real creosote oil, distilled by Republic
Republic
Creosoted Products
WOOD BLOCK FLOORING
LUMBER and TIMBER
POLES and PILING
RAILROAD TIES
REPUBLIC·CREOSOTING·CO
Home Office and Plant····Indianapolis·
OTHER PLANTS
ST. LOUIS PARK, MINN.
SEATTLE, WASH.
MOBILE, ALA.
NORFOLK, VA.
SALT LAKE CITY, UTAH

Streets and Roads (Continued)

California—Jan. 9, by C. H. Purcell, state hy. engr., Sacramento, grading, crushed gravel or stone surfacing 12.2 mi. Kern Co.

Contracts Awarded

Mass., Eastham — Bd. Selectmen, dirt and gravel road between Eastham Camps and Northeastern St., to F. W. Fulcher, Orleans. Est. $25,000.

N. Y., Long Island—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, asphalt paving 6th Ave. $18,615, 88th St. $5,961, 110th St. $16,849 —Brugel Contg. Co., 427 Weirfield St., grading Charlotte Pl. $7,681, 60th St. $9,540— to J. J. O'Brien, Jr., Williams St., Jamaica, 58th St. $2,396—to Slattery Contg. Co., 10 East 43rd St., New York, 69th St. $8,026. Grand total $69,068. Noted Dec. 13.

N. Y., Long Island City—W. R. Herrick, pres., Park Bd. Arsenal Bldg., Central Park, New York, widening, paving Washington Ave., to Sprague Constr. Co., Alameda St., Brooklyn $58,306; sidewalks adjacent to Transverse Rd., to Welsh Bros. Contg. Co., 27 Purvis St., $7,900, both in Jacob Riis Park, Queens Boro. Noted Dec. 13.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West End Ave., to Valatia Constr. Corp., 15 East 40th St., $107,844 —granite block paving 12th Ave., to Sicilian Asphalt Paving Co., 41 Park Row, $56,609 —grading, curbing 34th St., to Meehan Paving & Constr. Co., 90 West St., $15,814. Grand total $180,267. Noted Dec. 6.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, reconstructing roadway and dam at Clove Lake, Richmond Boro, to J. Anderson, 1571 Richmond Terrace, Port Richmond, $168,428. Noted Dec. 6.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving Lincoln Ave., to J. J. O'Rourke, 238 Gordon St., $22,800; Manor Rd., to J. Johnson Sons, 455 Bway., West New Brighton, $6,385. Noted Nov. 29.

N. J., Tenafly—Bd. Boro Council, Boro Hall, rein.-con., paving Woodland Park Rd., to G. M. Brewster & Sons, Inc., Fort Lee Rd., Bogota, $42,574.

Maryland—State Roads Comn., Baltimore, graveling 3.2 mi. Contr. Ch-49, Charles Co., to Southern Maryland Contg. Co., 12 East Lexington St., Baltimore, $28,199.

Maryland—State Roads Comn., Baltimore, concrete paving 1.38 mi. Contr. F-121, Frederick Co., to M. J. Grove Lime Co., Lime Kiln, $25,173. Noted Oct. 25.

Miss., Hattiesburg—Brick, concrete, asphalt paving streets in business section, to E. A. Finch Constr. Co., Hattiesburg, and Southern Paving & Constr. Co., Volunteer

Miss., Holly Springs — Curbing, paving streets, to Rowan & Reckard, Augusta, Ark., $27,035.

Miss., Kosciusko — Grading, curbing, guttering, sewers, concrete paving 23,400 sq.yd., to Barber Bros., Oxford, $30,000.

Louisiana — State Hy. Comn., Baton Rouge, graveling 7.248 mi. Bastrop-Hamburg Hy., State Project 678, Morehouse Parish, 20 ft., to Hammet & Salter, Natchitoches, $34,839. Noted Nov. 15.

Kentucky — State Hy. Dpt., Frankfort, grading, using 1st class rein.-con. pipe, 13.363 mi. roads in Breckenridge Co., to J. M. Perkins Co., Frankfort, $67,544—7.019 mi. Marion Co., to Berea Constr. Co., Berea, $16,314—7.34 mi. Muhlenberg Co., to Carter, Carter & Braden, Clay, $58,730—14.892 mi. Muhlenberg and Todd Counties, to E. L. Traughber, Elkton, $135,376—9.336 mi. Nelson Co., to Berry & Kelly, Louisville, $69,-539. Grand total $347,502. Noted Oct. 25.

Ohio—H. J. Kirk, dir. Hys., Columbus, O., grading 4.69 mi. Sects. C-1, C-2, and Powhatan, State Route 7, Belmont Co., to H. W. Watters, Atlas Bldg., Columbus, $292,096. Noted Nov. 22.

O., Cleveland — Cuyahoga Co., stone curbing, vitr. brick paving 11,730 sq.yd. Chestnut Rd., to Loesch & Green, 4169 Pearl Rd., $95,423.

Ill., Venice — Grading, curbing, 9,440 sq.yd. asphaltic wearing surface, 10,900 sq.yd. concrete base, 4th Street Paving Dist., to Concord Constr. Co., Ambassador Bldg., St. Louis, Mo., $53,220. Est. $57,232. Noted Aug. 2.

Iowa—State Hy. Comn., Ames, paving roads in Benton Co. to Bryant Paving Co., Waterloo, $217,006 — Buchanan Co., to Western Asphalt Paving Corp., 2100 East 4th St., Sioux City, $307,839. Noted Dec. 6.

Kan., Goodland—Sherman Co., sanding 15 mi. State Project 654, Road K-27, 30 ft., to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, Neb. Noted Nov. 1.

Kan., Kansas City—Wyandotte Co., grading, concrete paving 1.564 mi. Swartz-Probst Rd., 18 ft. wide with 6 ft. dirt shoulders, to J. A. Tobin, 5524 Mission Rd. Noted Nov. 22.

Kan., Olathe—Johnson Co., grading, asphalt on concrete surfacing 0.64 mi. Project 12-B, Tomahawk Rd., 29 ft., to J. E. Clark, Olathe, $32,161.

Kan., Ottawa — Franklin Co., to A. L. Cook, Ottawa, gravel or chat surfacing 12 mi. Project 724, $18,288; grading 4.601 mi. Project 726, $51,642; bridge on same, $3,896. Grand total $73,827. Noted Nov. 18.

Ark., Pine Bluff—Grading, curbing, concrete paving 4th Ave. and Locust St., Impvt. Dist. 104, to J. P. McNulty, Pine Bluff, $73,-198. Est. $60,000. Noted Nov. 1.

Tex., Galveston — Galveston Co., shell surfacing 25 mi. Port Bolivar-High Island Rd., to W. D. Haden & Co., Amer. Natl. Insurance Bldg., Galveston, $72,000. Est. $90,000. Noted Nov. 22.

Tex., Houston—Rock asphalt paving 20,-000 sq.yd., to A. M. Arnold & Co., 112 Buffalo St., $77,125. Est. $80,000. Noted Dec. 6.

Okla., Oklahoma City—Sheet asphalt resurfacing 12,660 sq.yd. Robinson St., to Western Paving Co., Petroleum Bldg., $62,-015. Est. $65,000.

Colorado—State Hy. Dpt., Denver, gravel surfacing 3.35 mi. Federal Aid Project 259-A, Saguache Co., to E. H. Honnen, Colorado Springs, $51,551, 3.465 mi. Hy. 6, Delta Co., to Gardner Bros. & Glenn, Silt, $60,805.

Nevada—State Hy. Comn., Carson City, crushed rock or graveling Federal Aid Projects 79-A and 1, Churchill and Pershing Counties, to Nevada Rock & Sand Co., Inc., Reno, $30,838.

Wash., Montesano—Comrs. Grays Harbor Co., constructing 2 mi. Pacific Beach-Ocean View Hy., to Forsberg & Forsberg, Aberdeen, $43,259. Est. $45,000.

California—State Hy. Dpt., Sacramento, grading, gravel surfacing 0.9 mi. San Luis Obispo Co., 20 ft., to W. J. Taylor, Palo Alto, $34,211; grading 8.5 mi. Los Angeles Co., to R. L. LaTourleau & O. A. Lindberg, Stockton, $391,391. Noted Nov. 15.

California—State Hy. Comn., Sacramento, oil treated crushed gravel or stone surfacing 14 mi. San Bernardino Co., to Allied Contrs, Inc., 1803 Douglas St., Omaha, Neb. $183,240. Noted Nov. 22.

California—State Hy. Comn., Sacramento, grading, asphaltic concrete paving 1.7 mi. road between County Fair Grounds and Hanford, Kern Co., 24 ft., to California Constr. Co., Standard Oil Bldg., San Francisco, $25,536. Noted Sept. 6.

California—State Hy. Comn., Sacramento, grading, oil treated crushed rock surfacing 10.6 mi. Lake Co., to Van der Hellen, Pearson & Logan, Medford, Ore., $198,820. Noted Dec. 6.

California—State Hy. Comn., Sacramento, grading, oil treated gravel surfacing 10.3 mi. Inyo Co., 20 ft., to G. W. Ellis, 1005 Kenneth Rd., Glendale, $102,390. Noted Nov. 8.

Calif., Crescent City—Grading, curbing, guttering, vitr. sewers in Front St., to Webber Constr. Co., Crescent City, $60,250.

Calif., Los Angeles—Curbing, guttering, concrete paving 13,494 ft. San Fernando Rd., to P. J. Akmadzich, 821 Yale St. Noted Dec. 6.

Calif., Monrovia—Curbing, walks, guttering, lighting system, 9:7:7:9 in. concrete paving 211,202 sq.ft. White Oak Ave., to J. E. Haddock, 357 North Chester St., Pasadena, $120,608.

Calif., Oakland—Grading, storm water drains, paving Hopkins St. between Park Blvd. and 13th Ave., to Central Constr. Co., Oakland Bank Bldg., $48,925. Noted Nov. 15.

Calif., San Diego—Grading, paving, San Diego and La Jolla Aves., to B. Pearce, 4307 Logan St., $23,910; 6 in. asphaltic concrete paving 178,711 sq.ft. Ebers St., to Daley Corp., 4430 Boundary St., $38,045. Noted Oct. 25.

Calif., Santa Ana—Orange Co., grading, curbing, bituminous macadam on water-bound macadam paving Impvt. 17, to Western Constr. Co., San Juan Capistrano, $143,-475. Noted Dec. 20.

Calif., Stockton—San Joaquin Co., grading, oil and gravel surfacing Ray Rd., and grading, graveling Atherton Rd., to G. French, Box 615, $25,185 and $20,253 respectively.

Ont., Ayr—Council, concrete paving 1½ mi. Northumberland St., 26 ft., to Langdon Co., 26 Galley Ave., Toronto. Est. $45,000.

Public Bond Elections

Coming Bond Elections

Waterworks — Wellsville, Mo., election in spring, $80,000.
Waterworks—Collett, Tex., Jan. 15, $35,000.
Waterworks—Pismo Beach, Calif., $60,000.
Waterworks—Pittsburg, Calif., $29,000.
Waterworks — Ballinger, Tex., Jan. 15, $110,000.
Waterworks—Oakland, Calif., $25,000.
School—Glendale, Calif., $600,000.

Bonds Voted

Waterworks—Dayton, Tex., $60,000.
Waterworks—Seagrave, Calif., $45,000.
Roads—Hollis, Okla., Harmon Co., $325,000.
Sewers—Dayton, Tex., $40,000.
School—Lyon, Kan., $170,000.
High School—Freeport, Tex., $150,000.

Bonds Defeated

Waterworks—Poplar Bluffs, Mo., $225,000.

Buildings—Industrial

Proposed Work

Mass., Beverly—LAUNDRY—E. Fossa, 81 Cabot St., 1 story, 50 x 100 ft., brick, steel, plain found., Lathrop St. $40,000. Private plans.

Mass., Randolph—SHOE FACTORY—Fields Bros., W. P. Fields, pres., East Bridgewater, 1 story, 95 x 200 ft., brick, $80,000. Engineer and architect not selected.

Conn., East Hartford (br. Hartford)—UPHOLSTERING PLANT—Acme Upholstery Co., 117 Allyn St., Hartford, plans by A. Feinberg, 1127 Main St., brick, Tolland St. $60,000. Noted Mar. 1.

N. Y., Brooklyn—MILK DEPOT—Ferndale Farms, Inc., 1678 Bergen St., soon lets contract milk depot, Liberty and Snediker Aves. $40,000. E. M. Adelsohn, 26 Court St., archt.

N. Y., New York—SERVICE GARAGE—J. McGinnis, 305 East Kingsbridge Rd., plans by J. P. Boyland, 305 Kingsbridge Rd., 2 story, 88 x 101 ft., brick, concrete, Westchester and Waters Aves. $40,000.

N. Y., New York—SERVICE GARAGE—R. S. C. Realty Corp., C. J. Joser, pres., 471 Park Ave., plans by Cohn & Siegel, 45 West 57th St., 2 story, 125 x 131 ft., brick, concrete, Westchester Ave. and East Pugsley St. $40,000.

N. Y., New Rochelle—OIL STORAGE and FIRE WALL—Pure Oil Co., 420 Lexington Ave., New York, plans by Erickson Equipment Co., 452 Lexington Ave., New York, 2 story, oil storage and fire wall. $40,000.

N. Y., Richmond Hill (Ind. br. Jamaica) —FACTORY—Suburban Bronze & Iron Co., 101st St. and Atlantic Ave., Queens Village, plans by Koch & Wagner, 32 Court St., Brooklyn, 2 story, 100 x 140 ft., 129th St. and 94th Ave. $90,000.

N. Y., St. George—SERVICE GARAGE—F. Coonley, 107 Central Ave., 6 story, 75 x 100 ft., brick, Montgomery Ave. and Fort Pl. $150,000. Private plans. Noted Nov. 8.

N. Y., St. George—SERVICE STATION and GARAGE — A. Brozoziewski, c/o F. Wall, archt., 572 Oakland Ave., Port Richmond, 82 x 147 ft., brick, concrete, Richmond and Klondike Aves. $40,000.

N. Y., Yonkers—WAREHOUSE—Owner, c/o J. Watson, archt., 29 Amackassin Pl., sketches 3 story warehouse (refrigeration). $200,000.

N. J., Englewood — AUTO LAUNDRY and PAINT SHOP — Owner, c/o P. J. Jossier, archt., 240 Broad Ave., Palisades Park, sketches 1 story, 60 x 180 ft., brick, steel, plain found. $60,000.

N. J., Fairview — BAKERY — Dugan Bros., 161 Arlington Ave., Newark, 2 story, basement, 125 x 153 ft., brick, steel, plain found., Kamena, Murry and 6th Sts. $100,-000. Private plans. Noted Dec. 13.

N. J., Newark—FACTORY—Machinery & Equipment Co., 225 Sherman Ave., 1 story, 50 x 150 ft., steel, brick, Frelinghuysen Ave. $40,000. A. J. Silberstein, 60 Park Pl., archt.

N. J., North Bergen (Ind. br. West New York)—FACTORY—Perryman Electric Co., 30th St. and 4th Pl., 3 story, basement, 80 x 200 ft., rein.-con., brick, steel, plain found., Hudson Blvd. and 12th St. $100,000.

N. J., Paterson—PISTON RING PLANT —U. S. Piston Ring Co., 1222 South Grove

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Buildings—Industrial (Continued)

St., Irvington, sketches 2 story, basement, brick, steel, plain found., Iowa and Pennsylvania Aves. $45,000. Private plans.

N. J., Sayreville—ELECTRIC GENERATING PLANT — Eastern New Jersey Power Co., Main St., 60,000 kw. plant, incl. two 30,000 kw. steam turbo generators. $6,000,000.

N. J., South Amboy—SHIRT FACTORY—M. Cohen, 194 Hall Ave., Perth Amboy, plans by E. Wierzbicki, 175 Smith St., Perth Amboy, 1 story, basement, 100 x 100 ft., brick, plain found. $40,000. Noted Dec. 20.

Pa., Nemacolin — COAL CLEANING PLANT—Youngstown Sheet & Tube Corp., Stambaugh Bldg., Youngstown, O., coal cleaning plant. $1,000,000. Allen & Garcia, 332 South Michigan Ave., Chicago, Ill., engrs.

Pa., Pittsburgh — MANUFACTURING PLANT—E. L. Wiegand Co., 1st Ave., plans by B. H. Prack, Martin Bldg., 1 story, 200 x 300 ft., brick, steel. $200,000.

D. C., Wash.—BAKERY—C. B. Comstock, archt., 110 West 40th St., New York, bids in Spring on revised plans 2 story, basement, 161 x 237 ft., brick, concrete, Georgia Ave. and W St. N. W., for General Baking Co., 420 Lexington Ave., New York. Est. $200,000. Noted Nov. 8.

N. C., Asheville — HOSIERY PLANT — Asheville Silk Hosiery Co., Asheville, A. Shultz & D. Baer, Lansdale, Pa. (owners), hosiery mill, on Beaverview Rd.

N. C., Durham — HOSIERY MILL — Golden Belt Mfg. Co., plant addition. $150,000.

N. C., Swannanoa—BLANKET PLANT—Beacon Mfg. Co., addition to plant.

S. C., Greenville—FACTORY—Southern Pile Fabric Co., 4841 Lancaster Ave., Phila., Pa., enlarging 1 story, plant from present size of 96 x 160 ft. to 96 x 200 ft. To exceed $40,000. Private plans.

Tenn., Memphis—PRINTING PLANT—Block & Goodman Realty Co., Dermon Bldg., 2 story, basement, concrete, brick, steel, 233-35 Court Ave. $60,000.

O., Cleveland—FOUNDRY—Bd. Educ., F. G. Hogen, dir., revised plans by G. M. Hoplinson, Auditorium Garage Bldg., 1 story, brick, steel, Eagle Ave. $40,000. Former bids rejected. Noted Nov. 1.

O., Cleveland — REFINERY — Canfield Oil Co., C. McLean, vice pres., 3216 East 55th St., plans by L. Carrouth, c/o owner, 1 story, brick, steel addition, East 55th St. and Wheeling & Lake Erie R.R. $40,000.

O., Columbus—FACTORY—Jaeger Machine Co., 520 Dublin Ave., soon takes bids 2 story, 518 Dublin Ave. $40,000. Bassett & Tresselt, 257 East Broad St., archts.

O., East Cleveland (br. Cleveland) — WAREHOUSE and SHOP—Bd. Educ., D. C. Van Buren, clk., Euclid and Shaw Aves., sketches by H. W. Morse Co., engrs. and archts., Finance Bldg., Cleveland, 2 story, 60 x 100 ft., brick, steel, Elderwood Ave. $40,000.

O., Euclid (br. Cleveland)—FACTORY-MILL—Chase Brass & Copper Co., 236 Grant St., Waterbury, Conn., A. Perry, soon lets contract factory and mill. $1,000,000. Austin Co., Euclid Ave., Cleveland, archts.

Ind., Indianapolis — POWER PLANT — Bd. Health plans by R. F. Daggett, 922 Continental Bank Bldg., brick, steel power plant and service building, 960 Locke St. $450,000. C. R. Ammerman, 925 Continental Bank Bldg., engr.

Mich., Detroit—FACTORY—Motor Products Corp., 11801 Mack Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 60 x 200 ft., top addition, 1 story, 80 x 100 ft., and 100 x 480 ft., 2 story, 60 x 100 ft., rein.-con., brick, steel, plain founds., Mack Ave. $250,000.

Mich., Detroit—TRUCK FACTORY—F. J. Winter, archt., 309 Grand River Ave., soon lets contract 2 story, 60 x 400 ft., brick, steel, plain found., Federal Ave., for Federal Motor Truck Co. $250,000. Noted Dec. 6.

Mich., Flint — PLANT — Fisher Body Corp., Genl. Motors Bldg., Detroit, 1 story, 120 x 120 ft., and 50 x 180 ft., rein.-con., brick, steel with wing for addition to Plant 1, plain found. $75,000. Private plans.

Mich., Grand Rapids — STORAGE — Blodgett Packing & Storage Co., Commerce St., 6 story, 52 x 125 ft., State St. $200,000. Engineer and architect not selected.

Ill., Aurora—PLANT—F. E. Davidson, archt., 53 West Jackson Blvd., Chicago, soon takes bids plant, for Independent Pneumatic Tool Co., 2600 West Jackson Blvd. To exceed $40,000.

Ill., Forest Park — MILK DISTRIBUTING PLANT—Roberts & Roberts, archts., 105 North Clark St., Chicago, soon lets

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contract 2 story, brick, for Bordens Farm Products Co., 326 West Madison St. To exceed $200,000.

Ill., Joliet—FACTORY—Bates Mfg. Co., Joliet, or 213 Custis St., Chicago, factory addition. To exceed $40,000.

Minn., Rochester—CANNING FACTORY—Reid-Murdock Co., Clark St. Bridge, Chicago, Ill., rein.-con., brick. $100,000.

Texas — CASINGHEAD GASOLINE PLANT — Phillips Petroleum Co., Bartlesville, Okla., 4 unit plant in southwest Jones Co. $75,000. Private plans.

Tex., Mercedes — CANDY FACTORY — Valley Industries, Inc., 1 story, 60 x 140 ft., brick, rein.-con. plant, incl. machinery.

Tex., Raywood—COTTON GIN PLANT—Farmers Gin Co., Raywood, electrically operated cotton gin plant. $45,000. Private plans.

Tex., Yoakum — PACKING and SHIPPING PLANT—Alex Woldert Co., Tyler, tomato packing and shipping plant. Private plans.

Okla., Muskogee — ICE PLANT — W. Hough & Co., sketches 50 ton raw water ice plant. $65,000. Private plans.

Okla., Sapulpa—ICE PLANT—W. Hough & Co., Muskogee, sketches 40 ton ice plant. $60,000. Private plans.

Calif., Los Angeles—FACTORY—Samson Tire & Rubber Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., brick, steel, Harbor Truck Blvd. $500,000.

Calif., Los Angeles — LAUNDRY — F. Meline, 706 South Hill St., 12 story, basement, sub-basement, 150 x 175 ft., steel, concrete, North Vine St. Engineer and architect not selected.

Que., Montreal — FOUNDRY — Robert Mitchell Co. Ltd., 64 Belair St., model foundry plant, incl. laboratory and research, offices.

Ont., Fort Erie — FACTORY — Horton Steel Wks., C. H. Scheman, mgr., extending factory, Gilmore St. $50,000. Private plans.

Ont., St. Catharines—FACTORY—W. S. Tyler Co., 3615 Superior Ave. N. E., Cleveland, O., factory, Ontario St. $100,000.

Ont., Toronto — FACTORY — Toronto Hosiery Co., Ltd., 1093 Queen St. W., 2 or 3 story, basement, concrete, brick, steel. $75,000. Engineer and architect not selected.

Ont., Toronto — GARAGE and SHOW ROOM—Natl. Motors Ltd., 49 Bloor St. W., 2 or 3 story, basement, concrete, brick, steel, stone, Bloor St. $100,000-$200,000. Engineer and architect not selected.

Ont., Toronto — PLANT — Riley Eng. & Supply Co. Ltd., 360 Dufferin St., brick, steel plant, near here. $100,000.

Ont., Toronto—WAREHOUSE and FACTORY—Canada Metal Co. Ltd., 29 Fraser Ave., concrete, brick, Fraser Ave. $50,000. Engineer and architect not selected.

Sask, Regina—PLANT—Goodyear Tire & Rubber Co. Ltd. (C. H. Carlisle, pres., Toronto, Ont.) plant. $1,000,000.

Sask., Regina—PLANT—Pedlar People of Oshawa, distributing plant. $125,000.

Sask., Regina—PLANT—I. H. Adams Co. Ltd., Winnipeg, Man., plant. $100,000.

Sask., Regina—WAREHOUSE—General Steelwares, Ltd., warehouse. $100,000.

B. C., Vancouver — SMELTER and REFINERY — Consolidated Mining & Smelting Co. Ltd. of Canada, Trail, B. C., and Montreal, Que., copper refinery and smelter on Pacific Coast, near here. $5,000,000. Private plans.

Bids Asked

Mass., Falmouth—FACTORY—See "Contracts Awarded."

Mass., Falmouth—SHOP—See "Contracts Awarded."

Mass., Hyannis—CLEANSING PLANT—See "Contracts Awarded."

Conn., Hartford—GARAGE—I. Boyland, 112 Lafayette St., Stamford, taking bids 1 story, 50 x 142 ft., concrete brick, steel, Chapel St. $50,000. W. W. Dolliver, 2 Nepaug St., archt. Noted Dec. 6.

Conn., Stamford — LAUNDRY — Stamford Steam Laundry Summer Pl., taking bids 1 and 2 story, 60 x 200 ft., concrete, brick, steel, Summer Pl. $75,000. Fletcher-Thompson, 452 Fairfield Ave., Bridgeport, archt. Noted Nov. 29.

N. Y., Yonkers—PLANT and OFFICE—J. S. Bartley, archt., 30 Fairview St., taking bids general contract 3 story addition, 25 Fernbrook St., for Yonkers Mineral Water Co., 25 Fernbrook St. $60,000.

Pa., Aspinwall (mail Pittsburgh) — MANUFACTURING — See "Contracts Awarded."

Pa., Stroudsburg — MILL — Mammoth Hosiery Co., Allegheny and B Sts., Phila., taking bids 1 story, basement, 98 x 100 ft., brick, steel, plain found. $60,000. Private plans.

N. J., Maplewood (br. South Orange)—GOLF CLUB FACTORY—See "Contracts Awarded."

N. J., Newark—ICE PLANT—F. Grad, archt., 1023 Broad St., taking bids general contract brick, steel, rein.-con., plain found., 250-270 Badger Ave., for L. & K. Ice Corp., c/o architect. $40,000.

Mich., Detroit—PACKING PLANT—Jan. 2, by Henschein & McLaren, archts., 167 Prairie St., Chicago, Ill., 2, 3 and 4 story, basement, 225 x 450 ft., rein.-con., brick, plain found., for B. H. Kroger Grocery & Baking Co., 813-17 Main St., Cincinnati, O.

Ill., Chicago — FACTORY — See "Contracts Awarded."

Ill., Springfield — PLANT — Monarch Tractor Corp., 10th and Stanford Sts., taking bids 1 story, 105 x 336 ft., and 80 x 240 ft., brick, steel addition. Klug & Smith, Co., 69 East Milwaukee Ave., Milwaukee, Wis., engrs.

Ia., Des Moines—ICE PLANT—See "Contracts Awarded."

Contracts Awarded

Mass., Falmouth—FACTORY—Concrete Products Co., 1 story, brick, plain found., altering and constructing additions, off East Main St., separate contracts. Private plans.

Mass., Falmouth—SHOP—Wood Lumber Co., J. B. Miskell, mgr., altering and constructing 1 story, brick addition, plain found., separate contracts. Private plans.

Mass., Hyannis—CLEANSING PLANT—Mayflower Dyeing & Cleansing Co., Main St., rebuilding 2 story, brick, plain found., recently destroyed by fire, separate contracts. $40,000. Private plans.

Mass., Lynn — SALES, SERVICE and REPAIR GARAGE—R. T. Pender, Inc., 41 Sutton St., 1 story, basement, 100 x 100 ft., brick, steel, plain found., to E. C. Blanchard Co., 333 Union St. Est. $50,000. Noted Dec. 20.

Mass., New Bedford—FOUNDRY—New Bedford Brass Fdry., 42 Front St., altering and constructing 2 story, concrete addition, plain found., Pine St., to W. Young, 122 Union St.

Conn., Bridgeport—PLANT—Crane Co., South Ave., foundations for 1 and 3 story, 125 x 500 ft., and 30 x 45 ft., brick, steel, concrete South Ave., to Hewlett Co., 886 Main St. Est. $300,000. Noted Dec. 13.

Conn., New London—SERVICE GARAGE—Thompson Chevrolet Co., Huntington St., New London, 1 and 2 story, 30 x 32 ft. and 35 x 60 ft., brick addition, Huntington St., to H. Wales Lines Co., 134 State St., Meriden. Est. $50,000.,

Conn., Norwalk—SERVICE GARAGE—W. R. Austin, Washington St., South Norwalk, 1 story, basement, 60 x 250 ft., brick, steel, to W. J. Lyons, Mechanic St. Est. $125,000. Noted Dec. 6.

Conn., Waterford—SERVICE—Connecticut Power Co., 33 Union St., New London, 3 story, 65 x 150 ft., brick, steel, to H. Wales Lines Co., 134 State St., Meriden. Est. $200,000.

N. Y., Buffalo — PLATING PLANT — Worthington Pump & Mchy. Co., Clinton and Roberts Sts., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $40,000.

N. Y., Hastings-on-the-Hudson—PLANT and MACHINE SHOP—Hastings Pavement Co., 25 Broad St., plant and machine shop, Railroad Ave., to L. F. Caproni, 1056 Chapel St., New Haven, Conn. Est. to exceed $40,000.

N. Y., Richmond Hill (Ind. br. Jamaica)—FACTORY—Anheuser-Busch, 979 Brook Ave., factory, 104th St., to Equity Constr. Co., 25 West 43rd St., New York. Est. $130,000.

N. J., Lambertville—FACTORY—Hobson Flatware Co., Lansdale, factory, to J. S. Bailey, Doylestown, Pa. Est. $60,000.

N. J., Long Branch—ICE PLANT—Seaboard Ice Co., 2nd and Union Aves., general contract 1 story, 100 x 100 ft., brick, plain found., Hulick St., to E. Schoenthaler, 252 Long Branch Ave. Est. $40,000. Noted Nov. 22.

N. J., Maplewood (br. South Orange)—GOLF CLUB FACTORY—Kroydon Co., Burnett Ave., 1 story, 30 x 150 ft., brick, plain found., Burnett Ave., separate contracts. $40,000. D. A. Hopper, 22 Ridgewood Ave., Irvington, archt. Noted Dec. 20.

N. J., Newark—MANUFACTURING—W. Clifford, Jr., archt., 293 Morris Ave., Elizabeth, general contract 3 story, 45 x 90 ft., brick, steel, plain found., 831 Bway. to R. Allen Inc., 319 Mount Pleasant Ave., for Delagrove Co., 829 Bway. Est. $50,000. Noted Oct. 4.

Buildings—Industrial (Continued)

N. J., Paterson — SILK STOCKING PLANT — J. Hand & Sons, West Railway Ave., general contract 3 story, basement, 64 x 122 ft., rein.-con., brick, steel, plain found. West Railway Ave. and Goshen St. to J. W. Ferguson Co., 152 Market St. Est. $40,000.

Pa., Allentown — PLANT — American Steel & Wire Co., 319 Lehigh St., plant, 319 Lehigh St., to American Bridge Co., 30 Church St., New York. Est. $40,000.

Pa., Aspinwall (mail Pittsburgh) — MANUFACTURING — Pittsburgh Heater Co., 1 story, 40 x 80 x 100 ft., brick, steel, separate contracts. $40,000. Private plans.

Pa., Bessemer—BRICK PLANT—Metropolitan Paving Brick Co., Renkert Bldg., Canton, O., various brick, concrete, steel buildings. $150,000. Owner builds. Private plans.

Pa., Canonsburg—PLANT—Continental Can Co., 2 story, 100 x 180 ft., rein.-con., brick addition, $150,000. Owner builds. Francisco & Jacobus, 511 5th Ave., New York, engrs.

Pa., Phila.—FACTORY—Penna Flexible Metallic Tubing Co., Broad and Race Sts., 2 story, basement, 45 x 125 ft., brick, steel addition, 13th and Elmwood Sts., to E. H. Keefer & Son, 1321 Rodman St. Est. $45,000.

Pa., Phila.—PAINT FACTORY—J. T. Lewis & Bro., Lafayette Bldg., 2 story, basement, irregular shaped, brick, steel, plain found., 2545 Aramingo St., to Turner Constr. Co., 1700 Walnut St. Est. $100,000.

Pa., Pittsburgh—BOX FACTORY—F. J. Kress Box Co., 2930 Liberty Ave., general contract 1 story, 250 x 400 ft., brick, steel, Penn Ave., to Austin Co., Union Trust Bldg. Est. $500,000. Noted Nov. 22.

Va., Richmond—SILK SPINNING MILL—American Silk Mills of New York, 150 Madison Ave., New York (1st unit) 2 story, 126 x 133 ft. brick, steel, 25,000 sq.ft. floor space, to Faning & Sweeney, Greensboro, N. C. Est. $60,000.

W. Va., Benwood (br. Wheeling)—ENGINE HOUSE, REPAIR SHOP and LOCKER — Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad Street Sta., Phila., Pa., general contract 1 story, rein.-con., brick, to Crossan Constr. Co., Brownsville, Pa. Est. $90,000.

N. C., Burlington—HOSIERY MILL—Standard Hosiery Mills, 1 story, 100 x 160 ft., brick, steel, to Bright & Fitch, Burlington, $75,000 up.

O., Cleveland—BAKERY—Speck Baking Co., 7505 Grace Ave., 1 story, 68 x 75 ft., brick, steel, 7505 Grace Ave., to J. Swerstal, 4472 Pearl Rd. Est. $40,000.

O., Cleveland — FACTORY — Sterling Brass Co., S. L. Weil, pres., 9600 St. Catherine Ave., 3 story, basement, 44 x 144 ft., brick, steel addition, to J. Miller, 10819 Drexel Ave. Est. $60,000.

O., Cleveland — STAMPING PLANT — Murray Ohio Mfg. Co., C. W. Hannon, pres., 1115 East 152nd St., 2 story, 64 x 239 ft., brick, steel, to Dresser Co., The Arcade. Est. $250,000. Noted Dec. 13.

O., Rossford — FACTORY — Ford Plate Glass Co., 1 story, 135 x 1,000 ft. and 250 x 300 ft., factory, 40 ft. high, Dixie Hy., to A. Bentley & Sons Co., Belmont St., Toledo. Total est. $3,000,000.

Ind., Ft. Wayne — FACTORY — Dudlo Mfg. Co., general contract 1 story, 176 x 192 ft., rein.-con., brick, steel, Wall St., to Indiana Eng. & Constr. Co., 201 Central Ave. Est. $75,000.

Ind., Ft. Wayne—MACHINE SHOP and SERVICE STATION—Old Fort Tire Co., general contract rein.-con., brick, steel, Wayne and Clay Sts., to E. R. Ellerman, 4538 South Lafayette St. Est. $46,000.

Ind., Logansport—PLANT—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., general contract two 70 x 110 ft., brick, steel buildings, High St., to H. Hedde, 309 7th St. Est. $40,000.

Ind., Shelbyville—FACTORY—Chambers Mfg. Co., general contract 2 story, basement, 50 x 120 ft., brick, steel, to H. O. Phares, Shelbyville. Est. $43,000.

Ill., Chicago — FACTORY — Stark-Line Furniture Corp., 4400 West 26th St., 2 story factory addition, 4400 West 26th St., separate contracts under supervision R. B. Kurzon, archt., 105 West Monroe St. Est. $175,000.

Ill., East St. Louis — ELECTROLYTIC ZINC PLANT — Evans Fowler Lead Co., Joplin, Mo., general contract rein.-con., steel, to Ben Hur Erection Co., 5100 Farlin Ave., St. Louis, Mo.; steel fabrication, to Amer. Bridge Co., 506 Olive St., St. Louis, Mo.

Ill., Moline—FOUNDRY and SHIPPING—Frank Foundries Corp., 125 21st St., 100 x 160 ft., and 70 x 100 ft., each 1 story, rein.-con., 21st St., to A. Carlson, 506 15th St.

Wis., Cudahy—PACKING PLANT—Henschien & McLaren, archts., 1637 Prairie Ave., Chicago, Ill., 1 story, 150 x 180 ft. tank house and beef killing building, to Coddington Engr. Co., 290 3rd St., Milwaukee, for Cudahy Bros. Co. Noted Oct. 25.

Ia., Des Moines—ICE PLANT—Central Service Co., 100 East Maple St., 1 story, basement, 50 x 200 ft., rein.-con., timber, 8th and New York Sts., day labor. Est. $40,000.

Ia., Des Moines—PLANT—J. I. Case Thresher Machine Co., 102 8th St., 3 story, basement, 40 x 106 ft., rein.-con., brick, 8th St., to R. Anderson, c/o owner. Est. $80,000. Noted Oct. 11.

Ia., Marshalltown—FOUNDRY—Gra-Iron Fdry. Corp., Marshalltown, 1 story, 116 x 204 ft., brick, timber, to C. Jacobson, Marshalltown. Est. $50,000.

Minn., Minneapolis — FACTORY—Grau-Curtis Co., 613 1st Ave. N. E., general contract 2 story, basement, 137 x 144 ft., brick, timber, to August Cederstrand & Co., Central and 3rd Aves. N. E. Est. $100,000. Noted Dec. 6.

Minn., St. Paul — GARAGE — L. C. Simons, 1381 Raymond Ave., general contract 1 story, rein.-con., brick, to G. A. Anderson & Son, 31 Benhill Rd. Est. $100,000. General Motors Truck Co., 240 West 5th St., lessee. Noted Nov. 29.

Mo., St. Louis — CHEMICAL PLANT — Peroxide Chemical Co., J. B. Brunner, pres., 6300 Etzel Ave., 1 story, basement, 98 x 130 ft., rein.-con., brick, Etzel Ave. and Wabash Ry., to W. O. Harting, International Life Bldg. Est. $40,000.

Mo., St. Louis—ELECTRIC MANUFACTURING PLANT FOUNDRY — Century Electric Co., E. S. Pillsbury, pres., 1806 Pine St., fabrication of steel for 1 story, 242 x 262 ft., concrete, brick, steel, Market St., to Mississippi Valley Structural Steel Co., 317 Big Bend Rd.; erecting steel, to Ben Hur Erection Co., 5100 Farlin Ave. Noted Aug. 16.

Mo., St. Louis—LIGHT MANUFACTURING—Owner, c/o C. R. Greene, archt., 628 Buder Bldg., 2 story, basement, 60 x 155 ft., and 60 x 160 ft., rein.-con., brick, steel, Laclede Ave. west of Sarah St., to H. M. Edmunds Building Co., 16 North 8th St.

Mo., St. Louis—PACKING PLANT—Swift & Co., 824 South Vanderventer Ave., altering 5 story, basement, South Vanderventer Ave., to Kellermann Contg. Co., 422 Victoria Bldg. Est. $45,000.

Mo., St. Louis—TRUCK BODY PLANT—J. A. McBride, c/o J. A. McBride Mechanical Equipment Co., 2639 Locust St., 1 story, basement, 177 x 200 ft., rein.-con., brick, 4115-17 Forest Park Blvd., to Hercules Constr. Co., Wainwright Bldg. Est. $75,000. St. Louis Body & Equipment Co., c/o owner, lessee. Noted Dec. 6.

Tex., Munday — ICE PLANT — E. J. Roberts, Munday, and Ft. Worth, 1 story, 20 ton capacity, concrete, brick, steel, to Murphy & Murphy, Mineral Wells, $32,000.

Colo., Denver—MILLING PLANT—Ralston Purina Co., 835 South 8th St., St. Louis, Mo., 7 story, 52 x 180 ft., rein.-con., brick building, incl. 13 story, 52 x 130 ft., 500,000 bushel capacity concrete elevator, 1 story, 50 x 125 ft., grinding and storage, 1 story, 42 x 42 ft. office, 1 story, 25 x 90 ft., garage and pumphouse buildings, to Jones-Hettelsater Constr. Co., 708 Mutual Bldg., Kansas City, Mo. Est. $500,000.

Calif., Los Angeles — FACTORY — Bergstrom Steel Co., 613 North Hewitt St., 1 story, 50 x 250 ft., steel, Slauson Ave., to Union Iron Wks., 5125 Santa Fe Ave.

Calif., Los Angeles — FACTORY — California Sanitary Canning Co., 1583 Industrial Ave., 1 story, 165 x 571 ft., steel, rein.-con., 4922 Long Beach Ave., to W. P. Neil Co., Inc., 4814 Loma Vista Ave., $78,500. Noted Aug. 23.

Calif., Los Angeles — FACTORY — Los Angeles Can Co., 303 San Fernando Rd., part 1 and 2 story, 300 x 500 ft., rein.-con., steel, U. P. Industrial Tract, to Scofield-Twaits Co., Pacific Finance Bldg., (cost plus basis).

Calif., Porterville—PACKING PLANT—Rosecrest Fruit Exchange, 1 story, basement, 60 x 120 ft., tile, to F. Sheldon, Porterville.

Calif., Wilmington—WAREHOUSE—Pacific Coast Borax Co., 1 story, 50 x 800 ft., with 100 x 100 ft. extension, to Lange & Bergstrom, Washington Bldg., Los Angeles, $100,000. Noted Dec. 13.

Ont., London—FACTORY—General Steel Wares Ltd., York St., 1 story, 150 x 250 ft., brick, steel addition, Adelaide St., to Putherbough Constr. Co., Bank of Montreal Chambers. Est. $100,000.

Ont., Toronto — FACTORY — LaFrance Fire Engine & Foamite Ltd., 195 Weston Rd., 2 story, basement, brick, steel addition, to M. Soules, Federal Bldg. Est. $50,000. sash, felt, tar and gravel roofing.

Ont., Toronto—GARAGE—W. C. Warburton & Co., 670 Bloor St. W., general contract 1 and 2 story, basement, 60 x 230 ft., rein.-con., brick, steel, to Walter Davidson & Co., 188 Duke St. Est. $100,000. Noted Nov. 22.

Buildings—Commercial

Proposed Work

Mass., Plymouth — BANK — Plymouth Natl. Bank, Inc., E. R. Belcher, pres., altering and constructing addition, 44 Main St. $150,000 or more. Engineer and architect not selected.

Mass., Quincy (Ind. br. Boston) — APARTMENT—T. B. Epps, 20 Newberry St., Boston, soon lets contract 3 story, basement, 75 x 92 ft., brick, artificial stone, Washington St. $150,000.

Mass., Wellesley (br. Boston)—APARTMENT—Wellesley College, Washington St., plans by E. N. Rogers, 89 State St., Boston, 3 story, basement, 80 x 110 ft., brick faculty apartment, plain found., Washington St. $160,000.

R. I., Pawtucket—HOSPITAL—Memorial Hospital, E. N. Littlefield, hospital, Prospect and Beechwood Sts. To exceed $150,000. Engineer and architect not selected.

R. I., Providence — THEATRE and CHAPEL—Brown University, W. P. Faunce, pres., Prospect St., theatre and chapel (separate units), University Grounds. $150,000 or more. Engineer and architect not selected.

Conn., Darien—THEATRE, BUSINESS and APARTMENT—Darien Theatre Corp., T. Crimmins, chn. building comn., plans by C. Kiessling, East Ave., New Canaan, brick, steel, Post Rd. $200,000 or more. Noted Nov. 22.

Conn., East Lyme—SANATORIUM—Seaside Sanatorium plans by Towner & Sellew, 363 Main St., Middletown, 1 story, brick, steel main building, 2 wings. $175,000.

Conn., Hartford—BUSINESS—S. Glezer, 750 Main St., plans by Berenson & Moses, 252 Asylum St., 4 story, 75 x 130 ft., brick, steel, Main St. and Goodman Pl. $175,000.

Conn., New Haven — OFFICE and PRINTING PLANT—R. W. Foote, archt., 185 Church St., soon lets contract 2 story, basement, 100 x 300 ft., and 1 story, basement, 140 x 260 ft., rein.-con., limestone, brick, steel, Milford Turnpike, for W. H. Lee Co., 246 Meadow St. Est. $350,000.

N. Y., Albany—STORE—Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., plans by Nimmons, Carr & Wright, Michigan Ave., Chicago, Ill., department store. To exceed $200,000.

N. Y., Brooklyn—THEATRE—Syndicate, c/o H. E. Witteman, 188 Montague St., plans by Rapp & Rapp, Paramount Bldg., New York, brick, steel, Fulton St. $3,000,000.

N. Y., Hastings-on-Hudson—HOSPITAL—Jewish Mental Health Society, c/o Rose & Allen, archts., 101 Park Ave., New York, hospital group. To exceed $150,000.

N. Y., Long Island City—APARTMENT—Corporation, c/o Vito De Mastri, 27 Cleveland Pl., New York, plans by Gretsch & Creamer, Bible House, New York, 6 story, 87 x 100 ft., brick, timber, 92nd St. and Northern Blvd. $175,000.

N. Y., Long Island City—BANK—Savings Bank of Ridgewood, 1002 Forest Ave., plans by Halsey, McCormick & Helmer, 286 5th Ave., New York, 1 story, 50 x 100 ft., brick, George St. and Forest Ave. $175,000.

N. Y., New York — APARTMENT — J. Cohn, 1841 East 8th St., Brooklyn, plans by G. G. Miller, 1482 Bway., brick, timber, Beach and Sound View Aves. $250,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Koret, 400 East Fordham Rd., plans by A. E. Schaefer, 2408 Grand Concourse, 6 story, 84 x 100 ft., brick, timber, Frisby St. and St. Peters Ave. $190,000.

N. Y., New York—APARTMENT—Corporation, c/o R. Luchter, 56 Pine St., plans by O. Goldschlag, 1482 Bway., 6 story, 87 x 100 ft. apartment, 579 West 204th St. $150,000.

N. Y., New York—APARTMENT—Corporation, S. Strauss, 540 Craven St., plans by Becker & Levy, 349 East 149th St., 6 story, 86 x 200 ft., brick, timber, Ward and Westchester Aves. $375,000.

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Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—Corporation, c/o M. Goldstein, 3836 White Plains Ave., plans by L. Pisciotta, 1912 Arthur Ave., 6 story, 87 x 133 ft., brick, timber, Bronx Blvd. and 219th St. $250,000.

N. Y., New York—APARTMENT—Corporation, c/o J. Verber, pres., 238 Kingsbridge Rd., plans by P. Lubroth, 283 Kingsbridge Rd., 6 story, 80 x 100 ft., brick, timber, Monroe Ave. and 173rd St. $200,000.

N. Y., New York—APARTMENT—Four Hundred East 59th Street, Inc., E. Franck, pres., 300 Madison Ave., plans by Van Wart & Wein, 347 Madison Ave., 16 story, 100 x 106 ft., brick, steel, 400 East 59th St. $750,000.

N. Y., New York — APARTMENT — A. Kirschner, 1320 Sheridan Ave., plans by H. Ginsberg, 222 East 42nd St., 6 story, 43 x 67 ft., brick, timber, University Ave. and 167th St. $175,000.

N. Y., New York — APARTMENT — Mansard Realty Corp., E. Kaye, 424 Madison Ave., plans by R. Candela, 578 Madison Ave., 12 story, 100 x 100 ft., brick, steel, 759 Madison Ave. $750,000.

N. Y., New York—APARTMENT—One Hundred Seventy-Six East 82nd Street Corp., L. Jakobson, pres., 261 Bway., plans by Schwartz & Gross, 347 5th Ave., 76 x 122 ft. apartment, 167 East 82nd St. To exceed $600,000.

N. Y., New York—APARTMENT—A. J. Schwarzler, 369 East 167th St., 15 story, 134 x 155 ft., brick, timber, 174th St. from Grand Concourse to Walton Ave. $500,000. Private plans.

N. Y., New York—APARTMENT—Tilevin Holding Cor., H. F. Letovin, pres., 67 West 175th St., plans by Lilien & Lilien, 1560 Bway., brick, timber, Walton Ave. and 182nd St. $185,000.

N. Y., New York—APARTMENT—Three Hundred Fifty West 17th Street Corp., D. M. Fink, pres., 9 Barrow St., plans by Springsteen & Goldhammer, 40 East 49th St., 6 story, 52 x 91 ft., brick, timber, 248 West 17th St. $150,000.

N. Y., New York—APARTMENT—Two Hundred Forty East 79th Street Corp., R. B. Fenner, pres., 111 Bway., plans by Goodwin, Thompson & Patterson, 19 West 44th St., 16 story, 60 x 82 ft., brick, steel, 236 East 79th St. $300,000.

N. Y., New York—OFFICE—Bethlehem Eng. Corp., 1560 Bway., 50 story office building, on 200 x 425 ft. side, 5th Ave. and 34th St. $20,000,000.

N. Y., New York—STORE and APARTMENT — A. Imarata, 2702 White Plains Ave., plans by Franklin, Bates & Heindsmann, 2526 Webster Ave., brick, timber, Mace St. between Barnes and Wallace Aves. $350,000.

N. Y., New York — TELEPHONE EXCHANGE—New York Telephone Co., 140 West St., converting 5 story warehouse into telephone exchange, 320 Church St. $75,000. Voorhees, Gmelin & Walker, 101 Park Ave., archts.

N. Y., New Rochelle—WAREHOUSE—O'Brien Bros., Depot Pl. and Grand St., sketches by H. T. Child, 280 Madison Ave., New York, 4 story addition. $150,000.

N. Y., Oneonta—BANK—Halsey, McCormick & Helmer, archts., 286 Madison Ave., New York, bids in February, bank, for Wilbur Natl. Bank, c/o E. Crippen, vice pres., Main St. Noted Dec. 6.

N. Y., Port Washington—YACHT CLUB and PIER—Manhasset Yacht Club soon lets contract 3 story club house and pier, Main St. $250,000. T. Engelhardt, 101 West 31st St., New York, archt.

N. Y., Rochester—STORE—Sears, Roebuck & Co., Arthington Ave. and Homan Sts., Chicago, Ill., plans by Nimmons, Carr & Wright, 122 South Michigan Ave., Chicago, Ill., 3 story department stores, 259 Monroe Ave. $400,000.

N. J., Bayonne—APARTMENT—Newark Holding Corp., c/o M. Kraut, archt., 3010 Hudson Blvd., Jersey City, sketches 4 story, basement, brick, steel, plain found., Kelly Parkway. $150,000.

N. J., Bayonne—APARTMENTS—Newa Holding Corp., J. Nosenchuk, 117 Stevens Ave., Jersey City, plans by M. Kraut, 3010 Hudson Blvd., Jersey City, two 4 story, basement, 35 x 92 ft., brick, steel, plain found., Petelle Parkway and 2nd St. $150,000.

N. J., East Orange—APARTMENT—H. Susser, 106 West 53rd St., Bayonne, plans by C. I. Goldberg, 437 Bway., Bayonne, 4 story, basement, 75 x 100 ft., brick, steel, plain found., North Parkway and 4th Ave. $150,000.

N. J., East Orange—STORE and APARTMENT—Baldwin Constr. Co., Central Ave. and Harrison St., plans by Warren & Warren, 31 Clinton St., Newark, 2 story, basement, brick, steel, plain found., Holsted St. $175,000.

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N. J., Elizabeth—APARTMENTS—Stanley Building Co., c/o J. Anderson, archt., 251 North Broad St., Elizabeth, thirteen 2 story, 28 x 57 ft., brick, plain found., Ogden St. $150,000. Noted Dec. 20.

N. J., Jersey City—APARTMENT—H. Temkin Corp., c/o C. Shilowitz, archt., 26 Journal Sq., sketches 5 story, basement, 100 x 150 ft., brick, steel, plain found., 27-31 Duncan Ave. $300,000.

N. J., Jersey City—APARTMENT—C. Zeike, c/o C. Shilowitz, archt., 26 Journal Sq., Jersey City, sketches 5 story, basement, 50 x 100 ft., brick, steel, plain found., Garrison St. $150,000.

N. J., Newark—APARTMENT—Owner, c/o H. J. and J. V. King, archts., 222 Market St., 4 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—DEPARTMENT STORE—Sears, Roebuck & Co., Roosevelt Blvd., Phila., Pa., plans by Nimmons, Carr & Wright, 333 North Michigan Ave., Chicago, Ill., 3 story, basement, 100 x 200 ft., Elizabeth Ave. and Stanton St. Martin Schwab, 30 North Michigan Ave., Chicago, Ill., engr. Noted Nov. 29.

N. J., Nutley (br. Newark) — APARTMENT—T. Grecco & Sons, 65 Carmer Ave., Belleville, plans by J. V. Thetford, 83 Bermond St., Belleville, 3 story, basement, 100 x 100 ft., brick, steel, plain found., 78-80 Union Ave. $150,000.

N. J., Orange—APARTMENT—J. Zingalli, Glen Ridge Ave., Montclair, rejected bids general contract 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Nov. 1.

N. J., Palisades Park—APARTMENT—J. Cioffe, c/o J. Lugosch, archt., 714 Bergenline Ave., Union City, 4 story, basement, brick, steel, plain found., Highland Ave. and South Central Blvd. $150,000. Noted Dec. 20.

N. J., Passaic—APARTMENT—Steiner & Kroll, 2-6 Lexington Ave., plans by Preiskel & Skvarla, 2-6 Lexington Ave., 3 story, basement, 90 x 100 ft., brick, steel, plain found., 218-24 Lexington Ave. $175,000. Noted Dec. 20.

N. J., Paterson—APARTMENT—A. J. Scrocco, archt., 60 Park Pl., Newark, rejected bids 9 story, 50 x 142 ft., brick, steel, plain found., 266 Bway., for A. L. Hoffspiegel, 282 Bway. Est. $450,000. Noted Dec. 13.

N. J., Woodcliff (mail Weehawken) — APARTMENT—B. and P. Battifarano, 894 Park Ave., 5 story, basement, brick, steel, plain found., 29th St. and Hudson Blvd. $150,000

Pa., Frankford (sta. Phila.)—APARTMENT—Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 4 story, basement, 80 x 140 ft., brick, steel, plain found.

Pa., Graterford — PENITENTIARY — State Bd. Trustees, plans by Zimmerman, Saxe & Zimmerman, 212 East Superior St., Chicago, Ill., 3 story penitentiary. To exceed $150,000. Day & Zimmerman, 112 North Broad St., Phila., engrs. Noted Oct. 20, 1927.

Pa., Narberth — APARTMENT — Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 4 story, basement, 90 x 100 ft., brick, steel, plain found.

Pa., Phila.—APARTMENT—Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., 12 story, basement, brick, steel, plain found., Cheltenham Twp.

Pa., Reading—Reading Y.M.C.A., 633 Washington St., Reading, or National Y.M.C.A., 347 Madison Ave., New York, 4 story building, 633 Washington St. $500,000. Engineer and architect not selected.

Pa., Upper Darby — APARTMENT — Owner, c/o Stetler & Dysher, archts., 709 Chestnut St., Phila., 8 story, basement, 70 x 120 ft., brick, steel, plain found.

Pa., Upper Darby—MUNICIPAL—Comrs. Upper Darby Twp., H. Wolfendon, chn., Cardington, plans by J. B. Thompson, 1321 Arch St., Phila., 4 story, basement, 56 x 128 ft., and 50 x 75 ft., rein.-con., brick addition, plain found. $400,000.

Pa., York — HOSPITAL and NURSES HOME—York General Hospital, 905 South George St., soon lets contract hospital and nurses home, South George St. and Rathon Rd. $1,500,000. Ballinger Co., 105 South 12th St., Phila., archts. Noted Aug. 16.

Md., Baltimore—APARTMENT—Greenway Apartment, Calvert Bldg., plans by F. A. Fletcher, 13 West Franklin St., 4 story, irregular shaped, brick, steel, Park Heights and Shelbourne Ave.

Md., Baltimore—MASONIC TEMPLE—Scottish Rite Masons, W. B. Price, in charge, Maryland Trust Bldg., bids in February masonic temple, Charles and 39th Sts. $1,000,000. C. H. Osborne, 222 West Franklin St., engr. C. L. Reeder, 910 Charles St., mechanical engr. C. N. Friz, Lexington Bldg., archt., J. R. Pape, 542 5th Ave., New York, consult. archt.

D. C., Wash.—OFFICE—Pan American Union, L. S. Towe, dir. genl., 17th and B Sts. N. W., sketches by A. W. Kelsey & P. P. Gret, Otis Bldg., 112 South 16th St., Phila., Pa., office building, Virginia Ave. N. W., C and 18th Sts.

Va., Petersburg—APARTMENT—J. Cuthbert & Associates, plans by C. K. Bryant & O. Asbury, Sauer Bldg., Richmond, 8 story, apartment, Fillmore and Sycamore Sts. $250,000.

Ala., Tuscaloosa—HOTEL—A. Bennett, Birmingham, and J. H. Fitts, Tuscaloosa, et al., organizing stock company to build 8 story hotel. $350,000.

Miss., Hattiesburg—THEATRE—Sanger Amusement Co., New Orleans, La., plans by E. Weil, Inc., Whitney Bldg., New Orleans, La., rein.-con., brick, steel, concrete found., Front and Forest Sts. $150,000.

Ky., Louisville—STORE—Realty Enterprises, M. E. Taylor Bldg., plans by Joseph & Joseph, engrs. and archts., Francis Bldg., and W. C. Wagoner, associate, 2 story, basement, 76 x 204 ft., rein.-con., brick, steel, 544 South 4th St. $250,000.

Ky., Louisville—STORE—Sears-Roebuck & Co., Homan and Arthington Sts., Chicago, Ill., 3 or 4 story, basement, 200 x 250 ft., rein.-con., brick, steel, 8th St. and Bway., also car parking space in rear. $1,000,000.

O., Cleveland—BANK, STORE and OFFICE—Pearl Street Savings & Loan Co., A. F. Humel, pres., West 25th St. and Clark Ave., plans by Walker & Weeks, 2341 Carnegie Ave., 4 story, basement, 95 x 185 ft., limestone, granite, West 25th St. and Clark Ave. $750,000.

O., Youngstown—BANK and OFFICE—Central Savings & Loan Co., T. B. Van Alstine, pres., West Federal St., plans by M. W. Scheibel, Realty Bldg., and R. M. Johnson, consult. archt., 5716 Euclid Ave., Cleveland, 17 story, basement, 50 x 100 ft., brick, steel, concrete. $400,000. Noted Oct. 11.

Ind., Indianapolis—HOSPITAL—Amer. Legion of Indiana, 777 North Meridian St., hospital. $3,000,000. Engineer and architect not selected.

Ind., Indianapolis — HOSPITAL — Bd. Health plans by Vonnegut Bohn-Mueller, 610 Indiana Trust Bldg., 3 rein.-con. brick buildings, 960 Loche St. $700,000.

Ind., Indianapolis—STORE—Sears-Roebuck Co., R. E. Wood, pres., Arthington and Homan Sts., Chicago, Ill., sketches 3 story, basement, brick, steel, Alabama, Vermont and Massachusetts Aves. $250,000. Engineer and architect not selected.

Ind., South Bend—APARTMENT—Mar-Main-Arms Co., C. Showberger, 125 West Marion St., sketches brick, steel, Main and Marion Sts. $200,000. Private plans.

Ind., South Bend—STORE—Warner-Carlisle Co., 224 Associates Bldg., 3 story, basement, 70 x 165 ft., rein.-con., brick, 429 South Michigan St. $150,000. Private plans. Sears-Roebuck Co.; Arthington and Homan Sts., Chicago, Ill., lessee.

Mich., Detroit — APARTMENTS — J. Blake, 575 Lodge Ave., plans by Building Service Bureau, 326 Bway., Market Bldg., two 3 story, basement, 65 x 78 ft., concrete, brick, steel, stone, plain founds., Hurlbut Ave. $160,000.

Mich., Detroit—OFFICE—W. R. Kales, 1730 Burns Ave., plans by Smith, Hinchman & Grylls, 800 Marquette Bldg., 35 story, basement, 45 x 120 ft., rein.-con., brick, steel, caisson found., Fort St.

Mich., Lansing—HOME—Ancient Order of Gleaners, 5705 Woodward Ave., Detroit, R. L. Halloway, pres., 3 story, rein.-con., brick, steel, stone, plain found. $150,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT—S. A. Clifford & Co., 111 West Washington St., will not construct apartment building, at 546 Arlington Pl. $425,000. Noted Oct. 18.

Ill., Chicago—BANK—West Town State Bank, 2354 West Madison St., plans by Mundie & Jensen, 39 South La Salle St., 8 story, basement, 57 x 127 ft., rein.-con., brick, stone, incl. safe deposit vaults, Madison St. and Western Ave. $750,000.

Mo., Cassville—HOTEL—T. E. Sayman, 2117 Franklin Ave., St. Louis, soon takes bids 5 story, 116 x 160 ft., rein.-con., brick hotel, Roaring River, near here. $200,000. Heckenlively & Mark, 642 Landers Bldg., Springfield, archts.

Mo., St. Louis—APARTMENT—Owner, c/o G. D. Willmering, archt., 4118 West Florissant Ave., bids in spring 3 story, basement, rein.-con., brick, terra cotta. $200,000.

Buildings—Commercial (Continued)

Tex., San Antonio—BUSINESS—H. O. Skinner, 429 West Mistletoe Dr., and J. W. Kenney, 1200 Main St., plans by Albaugh & Steinbomer, c/o Real Estate Bldg., rein.-con., brick, Alamo Plaza $150,000. Lilly-Drough, Frost Bldg., engrs.

Okla., Bartlesville—HOTEL—F. Marie & C. E. Burlingame, remodeling hotel, incl. new cafeteria. $150,000. Private plans.

Okla., Clinton—HOTEL—C. M. Calmes sketches 3 story, basement, 100 x 150 ft., rein.-con., brick, plain found., 3rd St. $250,000.

Okla., Frederick—HOTEL—Hockinbury System, Inc., c/o H. H. Roberts, archt., 710½ Indiana St., Wichita Falls, Tex., 5 story, part basement, 85 x 140 ft., rein.-con., brick, 50,000 sq.ft. floor space, plain found. $200,000. Noted July 19.

Okla., Norman—HOTEL—W. W. Kraft sketches 4 story, basement, rein.-con., brick, plain found., Main St. $250,000. Engineer and architect not selected.

Okla., Oklahoma City—HOSPITAL—M. E. Stout, Medical Arts Bldg., plans by A. L. Christenberry, 115½ North Harvey St., 3 story, basement, 79 x 86 ft., rein.-con., brick, stone, plain found., 13th and Robinson Sts. $150,000.

Okla., Oklahoma City—APARTMENT—Owner, c/o P. H. Weathers, archt., 6-story, basement, 75 x 140 ft., rein.-con., brick, plain found., 20th St. $200,000.

Okla., Tulsa — OFFICE — W. Phillips, Philtower Bldg., plans by Smith & Senter, archts. and engrs., Philtower Bldg., 12 story, basement, 140 x 150 ft., rein.-con., brick, plain found., 4th and Boston Sts. $1,400,000. Noted Dec. 20.

Okla., Tulsa — STORE — Halliburton-Abbott Co., 421 South Main St., plans by F. Waltens, Wilcox Bldg., 6 story, basement, 50 x 140 ft., rein.-con., brick, plain found., 5th and Boulder Sts. $500,000. Noted Nov. 1.

California — INSTITUTIONAL — State Building Comn., Sacramento, institutional buildings, incl. cottage, Medocino State Hospital, Ukiah, $85,000; Napa State Hospital, Napa, $90,000—Patton State Hospital, Patton, $100,000—Trades building and gymnasium, Pacific Colony, Spadra, $60,000; nurses and attendants quarters, Norwalk State Hospital, Norwalk, $40,000; training school, State Teachers College, San Francisco, $180,000; training school, State Teachers College, San Jose, $100,000; industrial building, Stockton State Hospital, Stockton, $25,000, cottage, Napa State Hospital, $90,000; kitchen, bakery and cold storage building, Patton State Hospital, Patton, $100,000. G. B. McDougal, Sacramento, state archt.

Calif., Alameda—BANK and OFFICE—Central Loan Assn., Central and Parks Sts., plans by W. E. Schirmer, 700 21st St., Oakland, 2 story, basement, 25 x 100 ft., rein.-con., 13th St. near Franklin St. $150,000.

Calif., Beverly Hills — BANK and OFFICE—First Natl. Bank sketches by Koener & Gage, 468 North Camden Dr., steel, rein.-con., bank and office. $500,000.

Calif., Los Angeles—OFFICE—W. W. Bearman, 3333 West 4th St., plans by S. C. Lee, 531 Petroleum Securities Bldg., 13 story, basement, 100 x 170 ft., tower, rein.-con., 8th and Bixel Sts. $500,000.

Calif., San Diego—LODGE—B.P.O.E. rein.-con., Cedar St. $250,000. Quayle Bros., Spreckles Theatre Bldg., archts.

Calif., Sunnyvale—CITY HALL—City plans by A. A. Cantin, 544 Market St., San Francisco, rein.-con. city hall. $150,000.

Calif., Visalia—THEATRE, STORE and OFFICE—West Coast Theatres Co., Film Exch. Bldg., Los Angeles, sketches by Balch & Stanberry, Film Exch. Bldg., Los Angeles, concrete, brick theatre, store and office building. $175,000.

Calif., Willows—THEATRE, OFFICE and STORE—H. Daly, Class "A" Italian type, West Sycamore St. $150,000. Starks & Flanders, Forum Bldg., Sacramento, archts.

Sask., Regina — WAREHOUSE — Avery Power Mchy. Co., concrete warehouse. $150,000.

Ont., Peterboro — HOSPITAL — Nicholls Hospital plans by Stevens & Lee, 62 Charles St. E., Toronto, 3 story, basement, concrete, brick, steel addition. $300,000. Noted July 5.

Ont., Toronto—HOTEL—Kendon Hotel, 2 Lakeshore Blvd., plans by C. R. Avery, 57 Bloor St. W., 6 story, basement, 36 x 130 ft., brick, steel, stone addition, concrete found. $175,000.

Bids Asked

Mass., Brighton (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Pittsfield—HOTEL—Wendell Hotel Co., South St., taking bids 7 story, basement, 45 x 155 ft., brick steel addition, plain found. $200,000. A. H. Lavalle, 496 Bridge St., Springfield, archt. Noted Oct. 11.

Mass., Waltham (Ind. br. Boston) — STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., taking bids 3 story, basement, 50 x 130 ft., brick, plain found., Moody and Spruce Sts. $150,000. Private plans.

N. Y., Buffalo — TERMINAL WAREHOUSE—Cleveland & Buffalo Transit Co., G. A. Bomm, genl. mgr., foot East 95th St., Cleveland, O., taking bids 1 and 2 story, 136 x 432 ft., brick, steel, concrete. $350,000. W. S. Lougee, Marshall Bldg., Cleveland, O., archt.

N. Y., Hempstead—APARTMENT—McManus & Griffiths, archts., 11 East 42nd St., New York, taking bids separate contracts 4 story, Atlantic Ave. and Rensome St., for Chano Constr. Co., L. A. Chancis, pres., 1 West 34th St., New York. $250,000.

N. Y., New Rochelle — OFFICE — See "Contracts Awarded."

N. Y., New York—OFFICE—Two Hundred Seventy Broadway Co., R. E. Dowling, pres., 55 Bway., bids about Jan. 2, foundation and steel for 28 story, brick, steel, Bway., and Chambers St. Est. $2,500,000. E. H. Faile & Co., 441 Lexington Ave., archts. Noted Aug. 30.

N. J., Bayonne—APARTMENTS—See "Contracts Awarded."

N. J., Cliffside Park (mail Cliffside) — APARTMENT—See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., East Orange — APARTMENT — Feldman & Pivinick, 70 Custer Ave., Newark, taking bids on separate contracts 6 story, basement, 112 x 155 ft., brick, steel, plain found., Prospect St. $325,000. L. Kasoff, 164 Market St., Newark, archt. Noted Dec. 13.

N. J., Englewood — APARTMENT — See "Contracts Awarded."

N. J., Hackensack—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Jersey City—APARTMENT—See "Contracts Awarded."

N. J., Newark—APARTMENT—Eldora Apartment, Inc., 43 Hill St., taking bids separate contracts 5 story, basement, 55 x 100 ft., brick, steel, plain found., 62-4 Mt. Pleasant Ave. $150,000. M. O. Klemmt, 43 Hill St., archt. Noted Dec. 6.

N. J., North Bergen (Ind. br. West New York) — APARTMENT — See "Contracts Awarded."

N. J., Passaic—APARTMENT—See "Contract Awarded."

N. J., Plainfield — STORE — G. and E. Blum, archts., 415 Lexington Ave., New York, taking bids general contract 2 story, basement, 75 x 155 ft., brick, steel, plain found., 119 East Front St., for A. A. Adams Stores, Inc., c/o architects. $150,000.

N. J., Ridgefield Park—APARTMENT—See "Contracts Awarded."

N. J., Roselle Park (br. Elizabeth) — APARTMENT—See "Contracts Awarded."

N. J., Somerville—APARTMENT—See "Contracts Awarded."

N. J., Teaneck (br. Hackensack) — APARTMENT—Acme Eng. Corp., 591 Summit Ave., Jersey City, bids on general contract or sub-contracts about Jan. 15, 4 story, basement, 100 x 110 ft., brick, steel, plain found., Short St. and Linden Ave. $150,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted Nov. 29.

N. J., Teaneck (br. Hackensack) — APARTMENT and STORE—Rubro Realty Co., F. Block, 13 Washington Parkway, Bayonne, taking bids on separate contracts 3 story, basement, 50 x 110 ft., brick, steel, plain found., Teaneck Rd. and Amsterdam Ave. $150,000. B. Singer, 778 Hudson Blvd., Bayonne, archt.

Pa., Brentwood (mail Pittsburgh) — APARTMENT—J. Geiger, c/o C. P. Giesler, archt., Ferguson Bldg., Pittsburgh, taking bids 3 story, basement, brick, steel, Brownsville Rd. $150,000.

O., Cincinnati—OFFICE—See "Contracts "Awarded."

Ind., Evansville—TELEPHONE—Jan. 20, by Indiana Bell Telephone Co., G. G. Hall, supt., 4 story, basement, 88 x 148 ft., brick, steel, 5th and Vine Sts. $250,000. Vonnegut-Bohn & Mueller, 610 Indiana Trust Bldg., Indianapolis, archts. Noted Dec. 6.

Mich., Monroe—HOSPITAL—Jan. 8, by Mercy Hospital, rein.-con., brick, stone, incl. power house and laundry. $150,000. D. A. Bohlen & Son, 1001 Majestic Bldg., archts.

Ill., Chicago — OFFICE and STORE — Jan. 7, by Holabird & Root, archts., 333 North Michigan Ave., 8 story, basement, 218 x 224 ft., brick, steel, stone, caisson found., Michigan Ave., Grand, Ohio and Rush Sts., for W. N. McChesney, 30 North La Salle St. $2,000,000. Noted Oct. 18.

Ill., Evanston — APARTMENT — F. W. Cauley (owner and archt.), 7325 Clayton St., Chicago, taking bids 8 story, basement, 127 x 200 ft., rein.-con., brick, Davis St. and Hinman Ave. $750,000.

Ill., Oak Park — APARTMENT — See "Contracts Awarded."

Ill., Rockford — APARTMENTS — S. Nemes, 360 North Michigan Ave., Chicago, taking bids two 3 story, English basement, 60 x 165 ft., brick, stone, Main and Whitman Sts. $150,000 each. J. A. Berloga, Rockford, archt.

Ill., Rockford—FURNITURE MART—S. Nemes, 360 North Michigan Ave., Chicago, taking bids 12 story, basement, 99 x 330 ft., rein.-con., brick, State St. $2,000,000. J. Berloga, Rockford, archt.

Mo., Clayton—APARTMENT—See "Contracts Awarded."

Okla., Chickasha—EXCHANGE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., bids about Jan. 9, 2 story, basement, 45 x 55 ft., rein.-con., brick, terra cotta. I. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. Noted Feb. 9.

Okla., Tulsa—EXCHANGE and OFFICE—Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., bids about Jan. 2, 4 story, 75 x 140 ft., rein.-con., brick, terra cotta top addition. A. R. Timlin, 1916 Southwestern Bell Bldg., St. Louis, Mo., archt. C. W. Mier, c/o owner, engr. Noted Dec. 6.

Calif., Long Beach — HOSPITAL — Dedrick & Bobbe, archts., Heartwell Bldg., taking bids 5 story, 40 x 150 ft., rein.-con. addition, 14th St. and Chestnut Ave., for Seaside Hospital. $150,000. Noted Aug. 30.

Calif., Oakland — APARTMENT — W. Lowe, archt., 354 Hobart St., taking bids 6 story, basement, steel, concrete, Warfield and Glenview Aves., for A. Kroll, c/o architects. $160,000.

Contracts Awarded

Me., Kennebunk—HOTEL—C. P. Baitler, Kennebunk, 3 story, basement, irregular sized brick, plain found., Main St., to R. J. Grant, Mechanic St. Est. $150,000 or more.

Mass., Beverly — APARTMENT — E. M. Cremen, 9 Union Sq., Somerville, 5 story, basement, 55 x 105 ft., brick, plain found., 50 Bway., to E. M. Cremen Co., 9 Union Sq., Somerville. Est. $175,000.

Mass., Brighton (sta. Boston)—APARTMENT—Middlesex Apartments, Inc., M. Green, 333 Washington St., Boston, 5 story, basement, 8,400 sq.ft. per floor, brick, stone, plain found., 247-49 Chestnut Hill Ave., separate contracts. $200,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Lynn — APARTMENTS — A. H. Stockbridge, 76 Park St., two 3 story, basement, brick, stone, plain founds., Park and Boston Sts., other Park St., Western Ave., separate contracts. $150,000. Noted July 26.

Mass. Malden (br. Boston)—APARTMENT—Carlton Realty Corp., c/o C. F. Springall, archt., 50 Park St., Boston, 4 story, basement, 50 x 115 ft., brick, plain found., Maple St., to F. A. Greenlay, 48 Tremont St., Est. $160,000.

Mass., Roslindale (sta. Boston)—BANK—First National Bank, 67 Milk St., Boston, reconstructing 1 and 2 story, basement, brick, steel, plain found. branch bank Belgrade Ave., J. M. and C. J. Buckley, 183 Essex St., Boston. Est. $150,000.

Mass., Somerville (br. Boston)—WAREHOUSE—Beacon Warehouse Trust Co., A. Geiger, 79 Milk St., Boston, 3 story, 40,000 sq.ft. floor space, brick, steel, plain found., School and Medford Sts., to F. O. White Constr. Co., 100 Everett St., Arlington. Est. $150,000.

Conn., New Haven — APARTMENT — Claremont Corp., 145 Cottage St., 3 story, 70 x 165 ft., brick, steel, Linden St. $150-000. Cwner builds. Private plans.

N. Y., New Rochelle—OFFICE—Forty-Two West 58th Street Corp., H. Schiff, pres., office, North Ave. and Huguenot St., separate contracts. $300,000. Schwartz & Gross, 347 Madison Ave., New York, archts.

N. Y., New York—COURT HOUSE—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Childrens Court House, Grand Blvd., Concourse and McClellan St., to Butler Constr. Co., 121 West 41st St., $171,830. Noted Nov. 1.

N. Y., Richmond Hill (Ind. br. Jamaica) —EXCHANGE—New York Telephone Co., 140 West St., New York, 3 story telephone exchange, Lefferts Ave. and 115th St., to

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Buildings—Commercial (Continued)

White Constr. Co., 95 Madison Ave., New York. Est. $200,000.

N. Y., Swan Lake—HOTEL—E. Paul, general contract 3 story, basement, 36 x 125 ft., brick, steel, stucco, plain found., to Fallsburg Constr. Co., South Fallsburg. Est. $150,000.

N. J., Bayonne—APARTMENTS—Newa Holding Corp., J. Nosenchirk, 117 Stevens Ave., Jersey City, two 4 story, basement, 35 x 90 ft., brick, steel, plain found., Pitelle Parkway and 2nd St., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., Jersey City, archt.

N. J., Cliffside Park (mail Cliffside) — APARTMENT — S. Engel, 237 29th St., North Bergen, 4 story, basement, 100 x 112 ft., brick, steel, plain found., separate contracts. $150,000. L. Vivoli, 411 Palisade Ave., Cliffside, archt. Noted Dec. 20.

N. J., East Orange — APARTMENT — Model Constr. Co., 145 Kensington Ave., Jersey City, 4 story, basement, brick, steel, plain found., 205 Main St., separate contracts. $250,000. Private plans.

N. J., Englewood—APARTMENT—Highwood Gardens, Inc., C. Menzel, pres., 208 St. Nicholas Ave., 3 story, basement, 50 x 155 ft., brick, steel, plain found., Hudson Ave. and Garden St., separate contracts. $150,000. H. E. Paddon, 195 South Maple Ave., Ridgewood, archt.

N. J., Hackensack—APARTMENT—Kaplan & Bernstein, 146 West 29th St., Bayonne, 5 story, basement, 75 x 100 ft., brick, steel, plain found., separate contracts. $175,000. C. I. Goldberg, 437 Bway., Bayonne, archt. Noted Dec. 13.

N. J., Hoboken—CLUB—J. D. Lugosch, archt., 714 Bergenline Ave., Union City, general contract altering and constructing 3 story, basement, 30 x 100 ft., brick, steel addition, plain found., 10th and Washington Sts., to J. Marcone, Inc., 685 Robert St., North Bergen, for B.P.O.E., Washington St. $150,000. Noted Nov. 29.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta St., 5 story, basement, brick, steel, plain found., separate contracts. $150,000. E. Hausen, 11 Clinton St., Newark, archt. Noted Dec. 13.

N. J., Jersey City — APARTMENT — Gorlin Constr. Co., Tube Concourse Bldg., 7 story, basement, brick, steel, plain found., separate contracts. $150,000. Private plans. Noted Nov. 29.

N. J., Jersey City—APARTMENT—Trustees Development Co., Inc., B. Kaufman, 27 Wegman Parkway, 5 story, basement, 70 x 100 ft., brick, steel, plain found., 620-4 Pavonia Ave., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Dec. 20.

N. J., Jersey City—APARTMENT—Ultra Holding Co., A. P. Imbowitz, 936 Fulton St., Brooklyn, N. Y., 4 story, basement, 60 x 100 ft., brick, steel, plain found., Corbin and Pavonia Aves., separate contracts. $160,000. C. Shilowitz, 26 Journal Sq., archt. Noted Dec. 20.

N. J., Jersey City—HOSPITAL—Hudson Co., Court House, general contract 8 story, basement, 104 x 180 ft., brick, steel, plain found., to Auf der Heide Contg. Co., 443 16th St., West New York, $835,500; plumbing, to C. H. Reid, 341 Ridge Rd., Lyndhurst, $99,500; heating, to J. H. Cooney, Inc., 210 North 4th St., Harrison, $128,000; electrical work, to Hoffman & Elias, 59 West 51st St., New York, $52,244; elevators, to A. B. See Elevator Co., 52 Vesey St., New York, $51,700. Grand total $1,166,944. Noted Nov. 22.

N. J., North Bergen (Ind. br. West New York) — APARTMENT — Croma Builders, Inc., 12 Journal Sq., 3 story, basement, 75 x 100 ft., brick, steel, plain found., Meyers and Bergenwood Aves., separate contracts. $150,000. H. Adelman, 494 Bway., Bayonne, archt.

N. J., Passaic—APARTMENT—Bush & Walsh, 24 Lexington Ave., 3 story, basement, 100 x 100 ft., brick, steel, plain found., Idaho St. and Brook Ave., separate contracts. $150,000. Preiskel & Skvarla, 2-6 Lexington Ave., archt. Noted Dec. 13.

N. J., Passaic — APARTMENT — F. La Rocca, 39 Lincoln St., 3 story, basement, 85 x 100 ft., brick, steel, plain found., separate contracts. $175,000. H. Gerritsen, 118 Passaic Ave., Garfield, archt. Noted Dec. 20.

N. J., Ridgefield Park—APARTMENT—H. Benowitz, 545 West End Ave., New York, 5 story, basement, brick, steel, plain found., separate contracts. $200,000. S. Gardstein, 44 Court St., Brooklyn, archt. Noted Dec. 20, under "Ridgefield."

N. J., Roselle Park (br. Elizabeth)—APARTMENT—G. Dobb, Sheridan Ave., Roselle, 4 story, basement, brick, steel, plain found., separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., archt. Noted Dec. 20.

N. J., Somerville — APARTMENT — G. Zingales, 102 Walnut Ave., Cranford, 3 story, basement, 100 x 100 ft., brick, steel, plain found., Williams St. and North Bridge, separate contracts. $150,000. M. Kraut, 3010 Hudson Blvd., Jersey City, archt. Noted Dec. 13.

Pa., Pittsburgh—WAREHOUSE—R. M. Trimble, archt., Ferguson Bldg., general contract 1 story, 100 x 500 ft., brick, steel, concrete, Beaver Ave., to Rust Constr. Co., Amer. Bank Bldg., for Whitaker Paper Co., 101 9th St. Est. $200,000. Noted Nov. 29.

D. C., Wash.—APARTMENT—Fidelity Constr. Co., 1341 Conn. Ave. N. W., general contract apartment, 15th St. and Rhode Island Ave. N. E., to B. J. Mullin, 1628 Nicholson St. N. W. $150,000.

N. C., Raleigh—BANK and OFFICE—Raleigh Banking & Trust Co., 8 story structural steel, limestone, terra cotta top addition, 32,000 sq.ft. floor space, Fayetteville St., to J. W. Hudson, Jr., Raleigh, $300,000. Noted Aug. 16.

O., Cincinnati—OFFICE—Union Gas & Electric Co., 4th and Plum Sts., 15 story, basement, rein.-con., brick, to George A. Fuller Co., 59 M. St. N. E., Wash., D. C. Est. $1,500,000. Contractor taking bids on separate contracts. Noted Oct. 4.

O., Toledo—STORE—H. Holmes, archt., c/o S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 3 story, basement, 60 x 120 ft., rein.-con., brick, steel, stone, plain found., to Kopitke Constr. Co., 321 Wabash St., $130,000 without equipment. Noted Dec. 6.

Ind., Gary—STORE—Little & Stevens, 25 East 6th Ave., general contract 3 story, basement, 75 x 125 ft., rein.-con., brick, 813 Bway., to B. & W. Constr. Co., 720 Cass St., Chicago, Ill. $250,000. Sears-Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Ind., South Bend — STORE — Warner & Carlisle Co., 224 Associates Bldg., general contract 3 story, basement, 70 x 165 ft., rein.-con., brick, to J. Nelson, 212 Monroe Bldg. Est. $150,000. Sears, Roebuck Co., Arthington and Homan Sts., Chicago, Ill., lessee.

Ill., Chicago—APARTMENTS—P. Olson, archt., 720 Cass St., masonry contract two 6 story, basement, 98 x 187 ft., rein.-con., brick, plain found., to A. and E. Anderson Co., 228 North La Salle St., plumbing, to Economy Plumbing & Heating Co., 1308 South Crawford Ave., for J. J. Cundy, 6759 Cornell Ave. Est. $585,000. Noted Oct. 18.

Ill., Chicago—APARTMENT—P. Olson, archt., 720 Cass St., masonry contract 5 story, basement, 120 x 125 ft., to Turnquist Constr. Co., 217 East 69th Pl., carpentry, to D. Erickson, for C. E. Anderson, 6448 Clyde Ave. Est. $400,000. Noted Oct. 11.

Ill., Chicago—BANK—Puckey & Jenkins, archts., 400 North Michigan Ave., general contract 2 story, 50 x 125 ft., for West City Trust & Savings Bank, 2350 North Cicero Ave., to J. T. Carp, 2631 Estes Ave.; plumbing, to Noble & Thumn, 1065 Addison St.; heating, to Jorgensen & Webster, 4203 Fullerton Ave.; plastering, to D. J. Evans, 1821 Nebraska Ave.; painting, to C. H. Bahrenburg, 3431 Fullerton Ave.; ornamental iron, to W. J. Korber Co., 261 North California Ave. Est. $200,000. Noted Nov. 22.

Ill., Chicago—FIELD HOUSE—W. W. Ahlschlager, archt., 65 East Huron St., general contract field house, incl. natatorium, gymnasium, auditorium, also playground, Cortland, McVicker, Merrimac and Bloomingdale Aves., to Avery Brundage Co., 110 South Dearborn St., for Northwest Park Dist., 2732 North Avers Ave. Est. $1,500,000.

Ill., Oak Park — APARTMENT — J. E. Decker, 508 Fair Oaks Ave., 10 story, basement, rein.-con., brick, terra cotta, Wisconsin Ave., separate contracts under supervision Leichenko & Esser, archts., 38 South Dearborn St., Chicago. Est. $1,000,000. Noted Nov. 29.

Ill., Rockford — HOSPITAL — West Side Hospital, 1401 East State St. and Catholic Diocese of Rockford, 5 story, basement, rein.-con., brick, stone addition, 1401 East State St., to Tolmie Bros., 919 Taylor Ave. Est. $250,000.

Wis., Milwaukee—OFFICE and GARAGE—M. Tullgren Sons Co., archts., 9 Waverly Pl., concrete, masonry, carpentry contracts for 6½ story, basement, 100 x 120 ft., brick, steel, concrete, terra cotta, East Water St., to S. M. Siesel Co., 160 Ogden Ave.; plumbing, to A. J. Moag, 131 Mason St.; terra cotta, to American Terra Cotta Co., Chicago, Ill., for First Wisconsin Natl. Bank Co. Est. $400,000. Noted Aug. 9.

Ia., Ft. Madison—EXCHANGE and OFFICE — Northwestern Bell Telephone Co., c/o Local Manager, 2 story, basement, rein.-con., brick, steel, stone, incl. kitchen, dining room, cloak room, rest room, Avenue G, to John Soller Constr. Co., Masonic Temple Bldg., Davenport. Est. $150,000.

Mo., Clayton—APARTMENT—Blue Ridge Building & Investment Co., J. S. Casey, pres., 4417 Clayton Ave., St. Louis, 3 story, basement, 81 x 145 ft., rein.-con., brick, cut stone, terra cotta, Buckingham Dr. west of Glen Ridge Ave., sub-contract basis. $200,000. Owner taking sub-bids. Pleitch & Price, 1592 Arcade Bldg., St. Louis, archts.

Mo., St. Louis—APARTMENT—Owner, c/o L. Abrams and C. Schloeman, archts., 1123 Chemical Bldg., 7 story, basement, 73 x 158 ft., rein.-con., brick, terra cotta apartment, also 50-car garage in rear of lot, 4300 block on West Pine Blvd., to Sol Abrahams & Sons, 1123 Chemical Bldg. Est. $425,000.

Mo., St. Louis—HOSPITAL—T. P. Barnett Co., archts., 1556 Arcade Bldg., 4 and 7 story, basement, rein.-con., brick, stone, Oakland Ave. west of Clayton Ave., to Dickie Constr. Co., 317 North 11th St., for Deaconess Home & Hospital. F. P. Jens, supt. 4137 West Belle Pl. Est. $800,000. Noted Oct. 18.

Mo., St. Louis—HOSPITAL—St. Vincent De Paul Sisters of Charity, c/o St. Louis Mullanphy Hospital, 3225 Montgomery St., general contract 8 story, basement, rein.-con., brick, steel, stone, terra cotta main building, also nurses home, chapel, service building, boiler house, on 320 x 575 ft. site, to J. W. Lynch, 844 Rush St., Chicago, Ill. Est. $1,750,000. Noted Dec. 20.

Mo., St. Louis—STORE and LOFT—Local syndicate, c/o S. B. Goldman, archt., 3820 Washington Ave., 10 story, basement, 81 x 140 ft., rein.-con., brick, terra cotta, Morgan and 16th Sts., to Arsenal Watson Co., 4540 Gravois Ave. Est. $750,000.

Tex., Beaumont — Committee Y.M.C.A., c/o T. N. Whitehurst, chn. building comn., general contract 3 and 4 story, 100 x 128 ft., brick, steel, stone, rein.-con., to Christy-Dolph Constr. Co., Wall and Main Sts., $187,186. Noted Nov. 1.

Ariz., Tucson—HOTEL—A. and H. Steinfeld, 11 story, stucco, cast stone, marble, North Stone Ave. and East Pennington St., to Orndorff Constr. Co., 247 North Western Ave., Los Angeles, Calif., $700,000.

Wash., Seattle—STORE—United Pacific Corp., Ry. Exch. Bldg., Shopping Tower, 12 story, basement, 113 x 120 ft., 3rd Ave. and Pine St., to Henrikson-Alstrom, Securities Bldg., $500,000. Noted Oct. 11.

Calif., Glendale — APARTMENT — Marshall Constr. Co., 726 South Spring St., 4 story, 56 x 160 ft., brick, tile, Burchett and Central Aves. Owner builds. $150,000.

Calif., Hollywood — CLUB HOUSE — Hollywood Post, American Legion, 3 story, basement, 80 x 175 ft., rein.-con., Highland Ave., to Scofield-Twaits Co., Pacific Finance Bldg., Los Angeles, $175,000. Noted Nov. 1.

Calif., Los Angeles—APARTMENT—H. Hersh & Assoc., c/o Cramer & Wise, archts., 567 I. W. Hellman Bldg., 6 story, basement, 80 x 130 ft., steel, tile, rein.-con., to H. Feldman, 648 North Kilkea Dr., $300,000. Noted Sept. 6.

Calif., Los Angeles—SALES and SERVICE—D. M. Longyear, Inc., (Packard Agents), 7026 Hollywood Blvd., 2 story (ultimately 3 story), 100 x 200 ft., rein.-con., Hollywood Blvd., to P. J. Walker Co., W. M. Garland Bldg., $150,000.

Calif., Los Angeles—STORE and OFFICE—Sun Realty Co., 727 West 7th St., 12 story, basement, 57 x 160 ft., rein.-con., to Baruch Corp., Lincoln Bldg., $750,000. Noted Nov. 8.

Calif., Oakland—APARTMENT—T. Gier, 510 10th St., two 3 story, timber and stucco apartments East 16th St., to A. H. Nunemacher, 2417 Gabrillo St., San Francisco $75,000 each.

Calif., San Bernardino — OFFICE and APARTMENT — E. C. Dingwell, 1114 Quimby Bldg., Los Angeles, 3 story, basement, 110 x 120 ft., tile, rein.-con., to Salih Bros., 1114 Quimby Bldg., Los Angeles, $200,000. Noted Nov. 1.

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Buildings—Educational, Religious

Proposed Work

Mass., Malden (br. Boston)—CHURCH—St. Josephs Roman Catholic Church, P. H. Walsh, pastor, Salem St., plans by C. P. Norton, 148 State St., Boston, and soon takes bids 1 story, basement, 60 x 150 ft., brick, limestone, granite, plain found., Salem St. $150,000.

Mass., Needham (Ind. br. Boston) — SCHOOLS—Town, G. H. Campbell, supt. schools, and E. L. Morse, chn. building com., elementary school, Pond's Corner,

Buildings—Educational, Religious (Cont.)

Great Plain Ave.; Junior High School, at Richwagen Hill. $200,000. Engineer and architect not selected.

Mass., Northampton — SCHOOLS — City, Superintendent Schools, 290 Main St., sketches by Putnam & Stuart, 78 Main St., two 1 and 2 story, basement, brick, stone, plain founds., 1 on Pine St., other on Riverside Dr. To exceed $150,000. Noted Nov. 29.

N. Y., Buffalo—HOME—Ingleside Home, 70 Harvard Pl. plans by F. Backus, 360 Delaware Ave. home for Women and children, Harvard Pl. $250,000.

N. Y., East Williston—SCHOOL—Bd. Educ., bids early in January, 2 story school. $225,000. W. H. Spaulding, 163-18 Jamaica Ave., Jamaica, archt.

N. Y., Hicksville—SCHOOL—Bd. Educ., bids early in spring 3 story school, Jerusalem Ave. $180,000. Tooker & Marsh, 101 Park Ave., New York, archts.

N. Y., Long Beach—TEMPLE—Temple Israel, c/o M. Goldberg, plans by L. H. Friedland. 562 5th Ave., New York, 2 story temple. To exceed $150,000.

N. Y., North Baldwin (Baldwin P. O.) — SCHOOL—Bd. Educ., W. J. Steele, pres., Baldwin, soon takes bids 2 story school, Woodside and Centennial Aves. $200,000. H. T. Blanchard, 161 Park Ave., New York, archt.

N. Y., St. George—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by C. Martin, Flatbush Ave. extension and Concord St., Brooklyn, 2 story, 45 x 217 ft., brick, Old Town Rd. $300,000.

N. Y., St. George—SCHOOL—Bd. Educ., 500 Park Ave., New York, plans by C. Martin, Concord St. and Flatbush Ave. extension, Brooklyn, 3 story, brick, Post Ave. and Greenleaf St. $470,000.

N. J., Bayonne—SCHOOL—Bd. Educ., City Hall, plans by D. G. Anderson, 718 Bway., 3 story, basement, rein.-con., brick, steel, plain found., Avenue B between 56th and 57th Sts. $500,000. Noted Dec. 13.

N. J., East Orange—CHURCH and FELLOWSHIP HALL—First Baptist Church, F. C. Stifler, pastor, 15 Winthrop Terrace, East Orange, sketches 2 story, basement, brick, steel, plain found. $150,000.

N. J., Jersey City—SCHOOL—Our Lady of Czestohowa, I. Szudrowicz, 120 Sussex St., 4 story, basement, brick, steel, rein.-con., plain found., York and Henderson Sts. $200,000. Private plans.

N. J., Little Falls—HIGH SCHOOL—Bd. Educ., School 1, 2 story, basement, brick, steel, plain found., East Main St. $247,800.

N. J., Passaic—CHURCH—First Presbyterian Church, J. Murphy, Jr. (in charge building comn.), 131 Lafayette Ave., plans by H. L. Walker, 144 East 54th St., New York, 2 story, basement, brick, steel, plain found. $350,000.

N. J., Raritan — SCHOOL — Bd. Educ., town Hall, plans by A. Merchant, 52 Paterson St., New Brunswick, 2 story, basement, brick, steel addition, plain found., Bonhampton Sect. $150,000.

N. J., Trenton — HIGH SCHOOL — Bd. Educ., 16 Stockton St., bids in spring high school, Hamilton and Greenwood Aves. $2,500,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Nov. 1.

N. J., Westwood—SCHOOL—Bd. Educ., Boro Hall, plans 2 story, brick, steel, school. $275,000. A. E. Dore, 173 Main St., Hackensack, archt.

Pa., Danville — DORMITORY — Catholic Slovak Girl High School plans by B. E. Starr, 9 North 2nd St., Harrisburg, 7 story, basement, 35 x 400 ft., rein.-con., brick, steel, plain found. $350,000.

Pa., Meadville—HOSPITAL and NURSES HOME—City Hospital, W. H. Lunk, secy., 945 Grove St., 3 story hospital and nurses home, Liberty St. A. Weishart & Son, 177 Silver St., Sharon. Est. $150,000.

Pa., Warren—SCHOOL—Bd. Educ., plans by Lawrie & Green, 3rd and Foster Sts., Harrisburg, Beaty Grade School, 2 story, basement, brick, steel, 3rd Ave. $150,000.

D. C., Wash.—SEMINARY—Franciscan Seminary, 135 West 31st St., New York, plans by C. W. Oakley, 117 West Tupper St., Buffalo, seminary, 18th and Shepherd Sts. N. E. $750,000.

Ky., Louisville—CHURCH—Fourth Avenue Presbyterian Church, 4th and Kentucky Sts., plans by E. T. Hutchings, archt., Heyburn Bldg., and G. M. Grimes & E. Gregg, Heyburn Bldg., assoc. archts., 9,000 seating capacity, tower shaped, brick, steel, cut stone, 4th and Kentucky Sts. $200,000.

O., Youngstown—SCHOOL—Bd. Educ. soon takes bids 2 story, basement, brick, incl. auditorium, Caldwell Settlement. $175,000.

Ill., Pekin—SCHOOLS—Bd. Educ., H. Altis, pres., sketches by Royer, Danely & Smith, Flat Iron Bldg., Urbana, rein.-con., brick, stone additions to Senior High School, $150,000; and to Garfield Grade School $35,000; Junior High School $335,000.

Tex., Houston — SCHOOL — Houston School Bd. plans by H. D. Payne, Kirby Bldg., 3 story, 103 x 208 ft. school, Gregg St. $250,000.

Okla., Blackwell—HIGH SCHOOL—Bd. Educ., plans by Smith & Senter, Ponca City, 3 story, basement, rein.-con., brick, Dewey St. $500,000. Noted Feb. 9.

Calif., Berkeley—AGRICULTURAL ECONOMICS—Regents of University of California, soon takes bids grading, excavating for Giannini Hall, 2.5 story, rein.-con. $500,000. W. C. Hays, Crocker 1st Natl. Bank Bldg., San Francisco, archt.

Calif., Beverly Hills—SCHOOL—Church of Good Shepherd, c/o M. L. Barker, archt., 1154 Northwestern Ave., 2 story, brick, rein.-con., Charlesville Blvd. $175,000.

Calif., Los Angeles—CATHEDRAL—Los Angeles Consistory Scottish Rite Masons, 929 South Hope St., sketches by Austin & Ashley, Chamber Commerce Bldg., cathedral, incl. auditorium, banquet room, library, club room, offices, Commonwealth Ave. and 4th St. $1,000,000.

Calif., Los Angeles — CHURCH — Hollywood Congregational Church, J. H. Lash, pastor, 7065 Hollywood Blvd., sketches by Allison & Allison, 1005 Hibernian Bldg., church Sunset Blvd. and Detroit St. $150,000-$170,000.

Bids Asked

Conn., Waterbury — SYNAGOGUE — Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, N. J., revised plans and takes bids about Jan. 15, general contract 1 story, basement, brick, steel, stone, plain found., for Temple Bethel. $200,000. Noted Nov. 8.

N. Y., Brooklyn—SCHOOL—Jan. 3, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 226, 23rd Ave. from 60th and 61st Sts.; P.S. 228 (David A. Boody Junior High School), Avenue S from West 4th and 5th Sts., for Bd. Educ., 50 Park Ave., New York. Noted Nov. 1 and Dec. 23.

N. Y., Jamaica—SCHOOL—Jan. 3, by W. C. Martin, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P.S. 142 (Edgar G. Shimer Junior High School), 114th Ave. from 142nd to 143rd Sts., South Jamaica, for Bd. Educ., 50 Park Ave., New York. Noted June 28.

N. Y., New York — SEMINARY — See "Contracts Awarded."

Va., Richmond—LIBRARY—Jan. 2, by City, library, 1st and Franklin Sts. $350,000. Baskerville & Lambert, Travelers Bldg., archts.

Ill., Chicago—SCHOOLS—Jan. 10, by Bd. Educ., E. Withall, bus.mgr., Frederick Von Steuben Junior High School, Kimball, Carmen and Christiana Aves.; New Junior High School, Foster and Damen Sts., $1,500,000. P. Gerhardt, 650 South Clark St., archt.

Mo., Springfield—CHURCH—First Presbyterian Church, O. L. Black, pastor, 615 South Fremont Ave., taking bids stone, steel, Cherry and Dollison Sts. $150,000. A. A. Honeywell, 413 Penway Bldg., Indianapolis, Ind., archt. Noted Nov. 22.

Tex., San Antonio — LIBRARY — City (Carnegie Library), c/o C. M. Chambers, mayor, bids about Jan. 31, 2 and 3 story, part basement, rein.-con., steel, limestone, plain found., Market St. $250,000-$300,000. H. S. Green, c/o Alamo Natl. Bank Bldg., archt. Noted Dec. 13.

Contracts Awarded

Mass., Westfield—HIGH SCHOOL—City, High School Building Comn., 3 story, basement, 170 x 215 ft., brick, stone, plain found., to M. J. Walsh & Sons Co., 1412 Dwight St., Holyoke. $385,800. Noted Dec. 6.

N. Y., Patchogue — CHURCH — First Church of Christ Scientist, c/o F. M. Koerner, church, to Roberts & Co., 949 Bway., New York. Est. $150,000. Noted Oct. 25.

N. Y., New York—SEMINARY—Jewish Theological Seminary of America, 543 West 122nd St., 6 story seminary, 3080 Bway., to G. Richard Davis, 12 East 41st St. Est. $1,200,000. Contractor taking bids on separate contracts. Noted Aug. 30.

N. J., Camden—HIGH SCHOOL—Bd. Educ., City Hall, general contract Woodrow Wilson Junior High School, 2 story, basement, 205 x 268 ft., to F. V. Warren Co., 1913 Arch St., Phila., Pa., $485,343; heating and ventilating, to H. Knecht, Collingswood, $66,838.

N. J., Elizabeth—SCHOOL—Bd. Educ., 417 South Broad St., general contract 3 story, basement, rein.-con., brick, steel, plain found., Grove St., to D. O. Evans, 1443 North Broad St., Hillside, $96,478; heating, to R. S. Smith, 40 Caldwell Pl., $24,477. Noted Dec. 13.

N. J., Montclair — DEMONSTRATION SCHOOL—State Bd. Educ., State House, Trenton, general contract 2 story, basement, 85 x 163 ft., brick, steel, plain found., to D. J. Cronin, 713 South Orange Ave., Newark, est. $240,000; plumbing, to J. A. Faber Plumbing Co., 237 Diamond Bldg., Hawthorne; heating, to Murland Eng. Co., 233 West 42nd St., New York. Noted Nov. 15.

N. J., Plainfield—COMMUNITY CENTER—Block & Hesse, archts., 18 East 41st St., New York, general contract 2 and 3 story, 120 x 125 ft., brick, steel, plain found., Central Ave. and 7th St., to A. Milne, 15 Watchung Ave., for Jewish Community Center, 48 East Front St., Plainfield. Est. $150,000. Noted Sept. 6.

Pa., Meadville — NURSES HOME and HOSPITAL — City Hospital, general contract altering and constructing 3 story, brick, steel addition, to A. Wishart & Son, Sharon. Est. $150,000.

Pa., Orwigsburg — ORPHANAGE — P. Monaghan, archt., 1520 Locust St., Phila., 3 story, basement, 74 x 237 ft., and 48 x 145 ft., rein.-con., brick, steel, plain found., for St. Francis Orphanage, 8th and Race Sts., to Gordon Nagle, Pottsville, $356,841. Noted Nov. 29.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., remodeling and constructing addition to Francis Junior High School, to Northeastern Constr. Co., Baltimore, Md., $144,700. Noted Dec. 6.

W. Va., Logan—SCHOOLS—Bd. Educ., 4 schools, to C. G. Johnson Constr. Co., Welch, $173,000.

Miss., Columbus — COLLEGE — Mississippi State College for Women, c/o W. C. Trotter, secy., Jackson, 5 buildings, to L. W. Hancock, Meridian, for State Building Comn., Jackson. $373,889. Noted Dec. 6.

Mo., Clayton—SCHOOL—Mary Institute, Lake and Waterman Aves., St. Louis, general contract (1st unit), 2 story, basement, rein.-con., brick, stone, to Gamble Constr. Co., 620 Chestnut St., St. Louis. Est. $500,000. Noted Dec. 20.

Mo., St. Louis—CHURCH—St. Michael and All Angeles Episcopal Church, C. Block, pastor, 6300 Ellenwood Ave., 2 story, basement, 46 x 100 ft., rein.-con., red stone, brick, to Gamble Constr. Co., 620 Chestnut St. Noted Oct. 4.

Federal Government Work

Proposed Work

D. C., Wash. — LIBRARY — Government plans by Pierson & Wilson, Hill Bldg., 17th and Eye Sts. N. W., addition to Congressional Library. $387,000.

Texas — DREDGING — U. S. Engineer Office, Galveston, 5,300,000 cu.yd. Sect. 1 and 2,500 cu.yd. Sect. 2 Houston Ship Channel between Morgan Point and Polivau Rd.

Tex., Galveston—FLYING FIELD—U. S. Engineer Office improvements at flying field, extending machine shops.

Tex., San Antonio—ROADS—Constructing Quartermaster bituminous on concrete paving 2 mi. road in Fort Sam Houston Army reservation, $80,000; grading, paving 3 mi. through flying field, near here, $100,000.

California—DREDGING—U. S. Engineer Office, Customhouse, San Francisco, 1,700,000 cu.yd. San Joaquin River and Stockton Channel, San Joaquin Co.

Bids Asked

N. Y., Brooklyn—CONTROL BOX, etc.—Jan. 10, by Signal Supply Officer, New York General Depot, 58th St. and 1st Ave., control and jack boxes, cord, resistance tubing, etc.

N. Y., Brooklyn — CONTROL BOXES, etc. — Jan. 3, by Signal Supply Office, Signal Sect., New York General Office, 58th St. and 1st Ave., radio control boxes, insulators, relays, staples, cable, etc.

N. Y., Brooklyn—PANELS, etc.—Jan. 8, by Signal Supply Officer, Signal Sect., New York General Depot, 58th St. and 1st Ave., panels, wire, coil, condensers, plug, transformer, motor alternator, etc.

N. Y., Brooklyn—RADIO SETS—Jan. 15, by Signal Supply Officer, Signal Sect. 58th St. and 1st Ave., high frequency radio transmitting and receiving sets.

Pa., Fort Mifflin (mail Phila.) — REMODELING — Spec. 5722 — Jan. 9, by

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Federal Government Work (Continued)
Bureau Yards & Docks, Navy Dpt., Wash., D. C., buildings, Naval Ammunition Dpt.

D. C., Wash.—ELEVATORS—Jan. 8, by Treas. Dpt., at office Supervising Archt., Wash., D. C., removing, replacing elevators in U. S. Treas. Building; adv. E. N.-R. Dec. 20.

O., Dayton — MAIL PLATFORM and LIFT—Jan. 11, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new mailing platform and lift at U. S. Post Office; adv. E. N.-R. Dec. 20.

O., Wilmington — POST OFFICE — Jan. 17, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office; adv. E. N.-R. Dec. 20.

Bids Received

Tenn., Paris—EXTENSION—Treas. Dpt., at office Supervising Archt., Wash., D. C., Dec. 17, extending, remodeling U. S. Engineer Office, from J. P. Foley & Dons, U. S. Post Office, New Brunswick, N. J., $32,561. Noted Nov. 15.

Contracts Awarded

Tenn., Memphis — LEVEE — U. S. Engineer Office, levee work in Piece 14, Curia Drainage, and Piece 16, Fourche Island Levee Dists., to O. M. New, Conway, Ark., $6,980 and $14,340 respectively.

Calif., San Diego — HOSPITAL — Spec. 5754—Bureau Yards & Docks, Navy Dpt., Wash., D. C., altering and constructing additions to X-Ray Dpt., Hospital, Navy Operating Base, to Wurster Constr. Co., 221 Spreckles Theatre Bldg., $10,375 (90 days).

Unclassified

Proposed Work

WHARF REPAIRS—**Nantucket, Mass.**—New England Steamship Co., A. F. Hass, Long Wharf, Newport, R. I., wharf repairs, incl. new piling, waterfront. $25,000. Private plans.

GAS HOLDER—**New York, N. Y.**—Consolidated Gas Co., 130 East 15th St., 1 story, gas holder, 276 ft. high, 192 ft. diam., 601 West 44th St. $35,000. Private plans.

YACHT PIER—**Port Washington, N. Y.**—See "Buildings-Commercial."

STADIUM—**Paterson, N. J.**—Bd. Recreation, City Hall, preliminary plans concrete stadium, Redwood Ave. $90,000. H. J. Harder, city engr.

STADIUM—**Rutherford, N. J.**—Bd. Boro Council, Boro Hall, concrete grandstand, improving athletic field. $30,000. W. G. Ihnen, 17 Ames Ave., boro engr.

DOCK — **Woodbridge, N. J.** — Bd. Town Council, Town Hall, timber, concrete dock, Woodbridge Creek. $25,000. M. Merrill, town engr.

ZOO—**St. Louis, Mo.**—Zoological Bd. Control, G. E. Vierheller, secy. Forest Park, bids early in 1929, series animal reservations protected by moats, also concrete, limestone inclosures for smaller animals, in zoo grounds of Forest Park. $125,000. J. E. Wallace, c/o owner, archt.

LAND DEVELOPMENT — **Schertz, Tex.** W. Schertz, C. W. Koch and H. Tulemeyer, Schertz (owners), and L. E. Fite & Co., 317 West Commerce St., San Antonio (developers), developing sub-division near government's new flying field, incl. water and gas distributing systems, lighting facilities. Private plans.

GRAND STAND—**Sedalia, Mo.**—Missouri State Fair Assn., W. D. Smith, secy., preliminary plans addition to grand stand, $30,000; rein.-con., brick sheet building, $50,000; addition to coliseum, $50,000.

AMUSEMENT PARK — **Tulsa, Okla.** — Oklahoma Amusement Co., B. B. Harris, pres., 318½ North Greenwood St., preliminary plans amusement park, incl. gymnasium, bowling alleys, Sheridan Rd., near here. $300,000. Private plans.

MEMORIAL HALLS — **California** — Bd. Supervs. Tehama Co. (Red Bluff) will receive plans and specifications until Jan. 2, 2 memorial halls, one in Red Blu, other at Corning. $50,000.

Bids Asked

CULVERTS—**Cleveland, O.**—Dec. 29, by Comrs. Cuyahoga Co., culverts in Lander Rd. $35,040. F. Lander, Court House, engr.

STEAM HEATING SYSTEM — **Evansville, Ind.**—Jan. 10, by Bd. Trustees Waterworks Dpt., steam heating system for brick garage and warehouse (now under construction), Ingle, Division and Water Sts.

STREET LIGHTING SWITCHBOARD, etc.—**Kendallville, Ind.**—Jan. 2, by Common Council, street lighting switchboard, constant current street lighting transformer of grills or screens, complete station wiring. W. C. Auman, mayor.

CULVERTS — **Concordia, Kan.** — See "Streets and Roads."

Culverts — **Wellington, Kan.** — See "Streets and Roads."

WHARF—**Irvines Landing, B. C.**—Jan. 7, by S. E. O'Brien, secy. Dpt. P. Wks., Ottawa, Ont., 70 x 120 ft. wharf, 20 x 30 ft. shed, 16 x 148 ft. movable ship way, fill. $30,000.

Bids Received

REFRIGERATION EQUIPMENT — **Binghamton, N. Y.**—Commissioner Dpt. Mental Hygiene, Albany, Dec. 19, refrigeration equipment for Binghamton State Hospital, from General Refrigeration, Inc., 21 Main St., Proposal 1 $6,108 Proposal 2, $5,263 Proposal 3, $3,929. Noted Nov. 22.

REFRIGERATION EQUIPMENT—**Buffalo, N. Y.** — Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment, Buffalo State Hospital, from Mollenberg-Betz Machine Co., Inc., 110 Washington St., Proposal 1 $17,536; Proposal 2, $13,462. Noted Nov. 22.

SANITARY WORK—**Central Islip, N. Y.**—Commissioner Dpt. Mental Hygiene, Albany, Dec. 19, sanitary work, Vicks Home, Central Islip Hospital, from J. D. Duffy, Inc., 342 Madison Ave., New York, $7,882. Noted Nov. 22.

UNDERGROUND FIRE ALARM SYSTEM — **Long Island City, N. Y.** — B. M. Patten, pres. Queens Boro, Queens Subway Bldg., portion underground fire alarm system, Sect. 1, from W. F. Kenny Co., 44 East 23rd St., New York, $9,461; Sect. 2, from James Sugden Co., 67 West 44th St., New York, $35,395. Noted Dec. 13.

SUBWAY — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Dec. 21, Sect. 5, Route 106, Rapid Transit R.R., from Lyons & Slattery, 101 Park Ave., New York, (unofficial) $3,835,000. Noted Dec. 13.

TRACKS—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Dec. 21, installing tracks and contact rail for part Rapid Transit R.R., from McElroy & Kerwin, 187 Joralemon St., Brooklyn, $412,954. Noted Dec. 13.

TRACK MATERIALS—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., from Bethlehem Steel Co., 25 Bway., open hearth contact rail $208,942, spikes $32,677, open hearth track rail $218,553, tie plates $37,725; from Oliver Iron & Steel Corp., 50 Church St., bolts, nuts, washers, $7,997; from Krajewski-Pesant Mfg. Corp., 227 Fulton St., cast iron $1,054; from Rail Joint Co., 165 Bway., joint bars $24,751; from Eastern Malleable Iron Co., Troy Malleable Irons Wks., Troy, N. Y., malleable iron $6,379. Noted Dec. 6.

COMFORT STATION — **Rockaway Park (Ind. sta. Far Rockaway), N. Y.** — Park Bd., W. R. Herrick, pres. Park Dpt., Arsenal Bldg., Central Park, New York, Dec. 18, comfort station, from J. Fischer & Sons, Inc., 187 Beach 80th St., Belle Harbor, $24,850. Noted Dec. 13.

BOARDWALK — **Rye, N. Y.** — Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, Dec. 18, extending timber boardwalk, new boardwalk, concrete retaining wall, wood found. piles for adjacent buildings at "Playland," Rye Beach, and Manursing Island Park, from Merritt, Chapman & Scott, 17 Battery Pl., New York, $50,386, and from W. A. Rogers, $51,000.

HEATING, etc.—**North Bergen (Ind. br. Weehawken), N. J.**—Bd. Educ., Township Hall Dec. 13, heating, ventilating for Horace Mann School, 38th and 39th St. from Hudson Blvd. to Midway Pl., from C. W. Reichwald, Inc., 763 Paterson Ave., Jersey City, $52,720. Noted Dec. 6.

Contracts Awarded

PLAYGROUND SHELTERS — **Boston, Mass.**—City, Schoolhouse Dpt., City Hall, 1 story, concrete, timber playground shelters for various schools, to C. & C Constr. Co., 180 Dudley St., Roxbury. Est. exceeds $25,000.

WADING POOL, etc. —**Astoria** (sta. Long Island City), **N. Y.**—W. R. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, New York, wading pool, walks at Shore Rd., to Ascher Eng. & Constr. Co., 51 West 66th St., New York, $19,779; tennis courts, to W. T. Dipple, Inc., 1 Hunter Ave., Long Island City, both Astoria Park, Queens Boro. Noted Nov. 29.

PILE DRIVER—**New York, N. Y.**—M. Cosgrove, comr. Docks, foot Battery Pl., North River, constructing; furnishing pile driver, to Staten Island Shipbuilding Co., 3075 Richmond Terrace, Port Richmond, $22,900. Noted Dec. 6.

SWIMMING POOL—**Spring Lake** (Spring Lake Beach P.O.) **N. J.**—Bd. City Council, Boro Hall, 50 x 100 ft., glazed brick, and concrete swimming pool, to Perth Amboy Constr. Co., 61 Madison Ave., Perth Amboy, est. $150,000. Plumbing and mechanical equipment to W. R. Hogg, 412 Bond St., Asbury Park; ocean pumping and strainers to Woolley & Howland, 99 Atlantic Ave., North Long Branch, electrical work to L. Van Note, 1210 3rd Ave., Spring Lake. Noted Dec. 20.

DOCK—**Reserve, La.**—Mississippi Warrior Service, 320 Magazine St., New Orleans, pile driving and timber work on 30 x 60 ft. dock, 12 x 285 ft. steel gallery for sugar conveyor, and re-erection 60 x 130 ft. steel shed, to W. H. Williams, 823 Howard Ave., New Orleans; 585 ft. 24 in. belt conveyor and portable bag stacker, to C. T. Patterson Co., 600 South Peters St., New Orleans.

TURBINE GENERATORS, etc.—**Paris, Ark.**—City, G. A. Hall, mayor, one 750 kw. turbine generator, 2 used 500 kw. turbine generators, 1 condenser unit, spray pond, accessories, switchboard, to Westinghouse Electric & Mfg. Co., East Pittsburgh, Pa., $34,400; 2-drum v.w.t. boiler, 386 hp., 225 lb. steam pressure and installing same, to P. E. Fallon, 121 Fairview Rd., Little Rock, $16,334. Noted Nov. 1.

SANDING PLANT—**Grand Island, Neb.**—Union Pacific R.R. Co., G. J. Adamson, ch. engr., Omaha, rein.-con., timber sanding plant. $40,000. Owner builds.

TANKS — **Pampa, Tex.** — Texas Corp., Houston and Port Arthur, 588 tons structural steel for two 80,000 bbl. tanks near here, to Petroleum Iron Wks. Co., Sharon, Pa. This corrects report in Dec. 13 issue.

STAGE — **Los Angeles, Calif.** — Paramount-Famous Players-Lasky Corp., Hollywood, 201 x 221 ft., steel, brick, hollow tile motion picture stage, 5451 Marathon St., to P. De Huff, 2676 Harcourt Ave., $200,000.

GRAIN ELEVATOR—**Collingwood, Ont.**—T. W. Foran, secy., 805 C. P. R. Bldg., Toronto, general contract 2,000,000 bu. grain elevator, to Carter Halls Aldinger Co., Royal Bank Bldg., Winnipeg, for Town. W. H. Whipps, town clk. Est. $800,000. Noted Nov. 29.

REFRIGERATING MACHINERY—**Victoria, B. C.**—Victoria Cold Storage & Terminal Warehouse Co., Odgen Point Rocks, refrigerating equipment to cold storage plant, to Canadian Ice Machine Co. Ltd., 1164 Hower St., Vancouver, (representing York Mfg. Co., York, Pa.), $150,000.

Materials

Proposed Work

GAS PIPE — **San Antonio, Tex.** — T. E. Barnes, 901 Victoria St., purchasing gas pipe for distributing system in 45 acre subdivision off West Cincinnat Ave. $20,000.

Bids Asked

CASTINGS—**Boston, Mass.**—Dec. 28, by City, Supply Dpt., City Hall, 250,000 lb. gate and hydrant castings, 250,000 lb. branches, 300,000 lb. 2 part c.l. boxes. H. S. Frost, supt.

CASTINGS—**Boston, Mass.**—Dec. 31, by Supply Dpt., composition-castings. $5,000. H. S. Frost, supt.

CEMENT — **Chicago, Ill.** — Jan. 4, by Cook Co. Comn., County Bldg., 500,000 bbl. cement for use during 1929.

PIPE—**Tulsa, Okla.**—Mayor and Water Comn. in market 29,000 ft. 2 in. and 15,000 ft. ¾ in. galvanized pipe.

Contracts Awarded

LIME, etc.—**New Orleans, La.**—G. G. Earl, ch. engr. Sewerage & Water Bd., 526 Carondelet St., 6,500 tons lime for waterworks, to J. Watts Kearny, 14 St. Peters St., at $6.90 per ton; 1,200 tons sulphate of iron, to American Steel & Wire Co., 208 South La Salle St., Chicago, Ill., $13.70; 50,000 lb. liquid chlorine in cylinders, to A. Hoffman, New York, at $10.70 per 100 lb. Noted Nov. 15.

PIPE — **Oklahoma and Illinois** — Texas Empire Pipe Line Co., Tulsa, Okla., furnishing 5,000 tons seamless pipe for pipeline between Tulsa, Okla. and Rockport, Ill., 6⅝ in., to Spang, Chalfant & Co., Inc., Park Bldg., Pittsburgh, Pa.; 12¾ in., to A. O. Smith Corp., 27th and Keefe Sts., Milwaukee, Wis.

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See proposal advertising on page 114

UNIT PRICES

Pipe Lines—New Jersey

North Jersey District Water Supply Comn., Newark, opened bids Dec. 20, Contract No. 25, Wanaque Aqueduct twin and single steel pipe lines for portion of aqueduct. Nine bids were received; T. A. Gillespie Co., 7 Dey St., New York, successful contractor, using 74 in. lock bar pipe (to be furnished by East Jersey Pipe Co., Leetsdale, Pa.). Bids of successful contractor, second lowest and highest bidders are given below. (A) T. A. Gillespie Co.; (B) Clifford F. MacEvoy, Newark, 74 in. countersunk riveted pipe, 30 ft. courses (furnished by N. Y. Shipbuilding Co., Camden); (C) Joseph Sigretto & Sons, Inc., New York, 76 in. countersunk riveted pipe, 7½ courses (furnished by American Locomotive Works).

	74-In. Pipe		76-In. Pipe
Removal of top soil			
45,000 cu.yd.	$0.50	$1.20	.....
46,500 cu.yd.	.....	.....	$1.00
Earth excav., general, N. of G. N. tunnel			
170,000 cu.yd.	.50	1.50	.....
174,000 cu.yd.	.....	.....	2.70
Earth excav., general, S. of G. N. tunnel			
60,000 cu.yd.	.50	.50	.....
61,500 cu.yd.	.....	.....	2.00
Earth excav. in Morris Canal			
50,000 cu.yd.	.50	1.20	.....
52,500 cu.yd.	.....	.....	2.00
Earth excav. in sheeted trench			
50,000 cu.yd.	.50	2.50	.....
51,500 cu.yd.	.....	.....	2.00
Rock excav., general, N. of G. N. tunnel			
5,000 cu.yd.	5.50	9.00	.....
2,125 cu.yd.	.....	.....	10.00
Rock excav., general, S. of G. N. tunnel			
3,000 cu.yd.	5.50	4.00	.....
3,075 cu.yd.	.....	.....	10.00
Rock excav. in sheeted trench			
1,000 cu.yd.	7.00	6.00	.....
1,025 cu.yd.	.....	.....	10.00
500 cu.yd. rock excav. by specific methods	7.00	15.00	19.00
Borrow			
100,000 cu.yd.	.12	.25	.....
101,000 cu.yd.	.....	.....	2.00
Refill and embankment, general			
330,000 cu.yd.	.20	.50	.....
333,500 cu.yd.	.....	.....	1.00
Compacted refill and embankment			
80,000 cu.yd.	.20	1.25	.....
80,400 cu.yd.	.....	.....	1.00
Surface dressing and grassing			
50,000 cu.yd.	.50	2.00	.....
50,250 cu.yd.	.....	.....	2.50
8,000 cu.yd. concrete masonry	13.00	25.00	16.00
1,500 cu.yd. reinforced concrete	13.00	45.00	16.00
15,000 bbl. cement	3.00	3.00	3.00
2,000 cu.yd. dry rubble masonry and paving	7.50	25.00	7.00
1,000 cu.yd. rubble masonry and paving in mortar	8.00	31.00	10.00
50 cu.yd. brick masonry	35.00	40.00	75.00
1,000 cu.yd. sand, gravel and broken stone	4.00	4.00	6.00
100 lin.ft. drilling holes in rock or masonry	1.00	1.00	10.00
161,950 lin.ft. 74-in. lock-bar pipe, ⅛-in. plate	24.75	.....	.....
158,050 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses ⅛-in. plate	.....	23.40	.....
158,050 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, ⅛-in. plate	.....	.....	30.19
2,200 lin.ft. 74-in. lock-bar pipe, ¼-in. plate	24.75	.....	.....
3,800 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses, ¼-in. plate	.....	25.70	.....
2,300 lin.ft. 74-in. countersunk riveted pipe, 30 ft. courses ⅜-in. plate	.....	28.00	.....
3,800 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, ¼-in. plate	.....	.....	31.48
2,300 lin.ft. 76-in. countersunk riveted pipe, 7½ ft. courses, ⅜-in. plate	.....	.....	33.86
200 ton steel-pipe specials	320.00	200.00	211.50
5 steel-pipe expansion joints	100.00	1,800.00	500.00
150,000 lb. steel for reinforcing concrete	.06	.06	.08
250,000 lb. miscellaneous iron and steel	.20	.15	.35
150,000 lb. steel castings	.21	.25	.50
50 ton bell and spigot cast-iron pipe	75.00	100.00	80.00
60 ton cast-iron pipe specials	198.00	200.00	320.00
150,000 lb. galvanizing	.03	.03½	.06
2,000 lb. copper, brass and bronze	.29	1.00	1.50
22 48-in. gate valves without by-pass	2,437.50	2,500.00	4,000.00
12 48-in. gate valves with by-pass	2,537.50	2,600.00	4,500.00
2 36-in. gate valves with by-pass	1,455.00	1,375.00	2,300.00
5 24-in. gate valves with by-pass	593.00	500.00	800.00
120 12-in. gate valves	89.50	84.50	125.00
50 8-in. gate valves	50.50	44.00	60.00
150 6-in. gate valves	42.00	38.00	50.00
50 4-in. gate valves	23.80	20.70	30.00
150 6-in. vacuum air valves	176.50	200.00	250.00
50 4-in. vacuum air valves	86.00	100.00	125.00
100 pressure air valves	35.50	37.50	45.00
2 venturi meters	9,150.00	18,600.00	1,400.00
50,000 lb. installing metal work furnished by the Commission	.02	.05	.05
10,000 lin.ft. timber piles	.55	.50	1.00
500 m.ft.b.m. timber and lumber	30.00	30.00	100.00
5,000 lin.ft. 12-in. and smaller vitrified pipe	.70	1.25	.75
1,000 lin.ft. 15-in. to 24-in. vitrified pipe	2.00	3.50	2.50
1,000 lin.ft. 24-in. reinf. conc. pipe	4.35	3.00	3.00
35 highway crossings	160.00	250.00	5.00
2 railroad crossings	4,000.00	3,500.00	20,000.00
11 river crossings as listed (lump sum)	78,325.50	7,500.00	240,000.00
3 office buildings with garages	3,500.00	5,000.00	6,900.00
Force account ($25,000)	15%	20%	10%
Cleaning up (lump sum)	5,000.00	1,000.00	10,000.00
Totals	$5,127,628	$5,760,255	$7,718,406

In addition to above three bids, six others were received as follows: Montrose Contracting Co., New York, 74-in. lock bar, $5,968,505, 74-in. countersunk riveted, 7½-ft. courses, $5,826,435, 76-in. countersunk riveted, 7½-ft. courses, $5,971,503; W. H. Gahagan, Inc., Brooklyn, 74-in. lock bar, $7,318,022; all following bids on 76-in. countersunk riveted, 7½-ft. courses: Peter F. Connelly, Long Island City, $5,928,130; Heyman & Goodman Co., Jersey City, $6,027,100; Clinton Asphalt Co., Union City, $7,449,031; Frederick Snare, Inc., New York, $7,644,975:

Engineering News-Record, Issue of December 27, 1928.

Viaduct—Youngstown, O.

Following is correct presentation of the low and average bids published in Dec. 13 issue when the quantities were all printed one line too high.

		Average of Unit Prices 6 Lower Bids	All Bids
Sheeting and bracing, cofferdams and pumping	$1,000	$7,127.50	$9,639.41
1,000 cu.yd. removal of topsoil	0.50	0.48	0.61
7,700 cu.yd. earth excav. for structures	1.50	1.03	1.40
28,000 cu.yd. earth excav.—grading and borrow	.40	.50	.59
1,100 cu.yd. rock excav.	2.50	3.88	3.83
3,700 lin.ft. finishing shoulders, slopes and ditches	.30	.27	.26
1,100 cu.yd. placing loam	.50	.76	.92
1 acre seeding	200.00	250.00	246.46
330 cu.yd. screened gravel backing	3.00	3.06	3.35
3,300 sq.yd. stone slope paving	3.50	3.60	3.96
16,000 bbl. portland cement	2.50	2.32	2.57
1,650 cu.yd. conc. masonry —in abutm'ts	10.00	9.63	11.91
5,300 cu.yd. " " —in piers	10.00	9.80	11.67
2,250 cu.yd. " " —in arch-r'ng	15.00	16.76	19.38
1,100 cu.yd. " " —in spandrel and wing walls	20.00	17.27	19.05
100 cu.yd " " —miscell.	30.00	21.92	19.27
500,000 lb. steelreinforcement	.04	.043	.045
6,600 sq.ft. bush hammering	.04	.116	.156
12,000 sq.ft. special rubbed finish	.05	.089	.094
Viaduct railing (lump sum)	8,500.00	8,749.16	11,083.35
800 lin.ft. structural expansion joints	2.00	1.33	1.27
5,400 sq.yd. waterproofing type "A"	.60	.66	.79
1,800 sq.yd. waterproofing type "B"	1.25	1.72	2.00
3,800 cu.yd. spandrel fill	.95	1.51	1.75
12,500 sq.yd. bituminous macadam road surfacing	1.50	2.02	2.31
2,200 lin.ft. timber curb guard	.20	.22	.29
1,600 lin.ft. highway guard rail	.75	.78	.87
6,200 lin.ft. electric conduit	.25	.19	.29
5 tons cast iron pipe	80.00	83.33	90.70
5,500 lb. miscellaneous iron castings	.10	.095	.098

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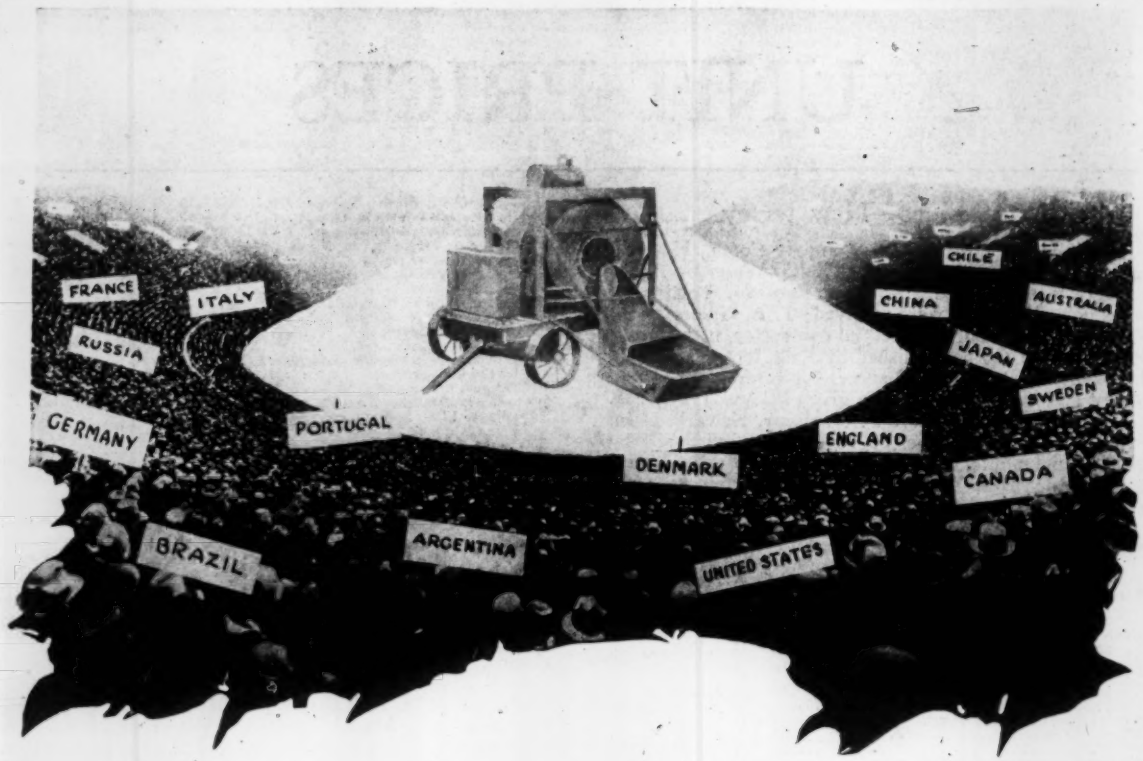

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United States Delegate Exhibition of Barcelona,
Dept. 295, Steinway Hall, New York City, N.Y.

International Exhibition Barcelona

May -1929—December